Materials Evaluated as Insecticides and Acaricides

at Brownsville, Tex., September 1955 to June 1961

Agriculture Handbook No. 263
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By B. A. Butt and J. C. Keller

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By B. A. BUTT and J. C. KELLER, *entomologists, Entomology Research Division, Agricultural Research Service*[1]

In the investigations on synthetic organic insecticides by the Entomology Research Division, about 4,500 materials were screened for potential insecticidal and acaricidal activity in the laboratory at Brownsville, Tex., from September 1955 to June 1961. Most of the compounds and all the plant extracts were prepared by chemists in the Entomology Research Division at Beltsville, Md. Some compounds were supplied by universities and industrial sources.

This handbook does not include certain chloroacetic acid esters (*3*), some chlorinated hydrocarbon and carbamate compounds from commercial sources, nor any organic phosphorus compounds (*1*, *2*, *4*), which have been reported elsewhere.[2]

The materials included here were tested against four species of phytophagous insects and one species of spider mite of economic importance. Mortalities were recorded and the amount of feeding by two of the insect species was noted.

TEST SPECIES

The species of insects and mite used in these tests were as follows:

Boll weevil	*Anthonomus grandis* Boheman
Cotton aphid	*Aphis gossypii* Glover
Salt-marsh caterpillar	*Estigmene acrea* (Drury)
Southern armyworm	*Prodenia eridania* (Cramer)
Two-spotted spider mite	*Tetranychus telarius* (L.)

The boll weevils were reared from infested cotton squares collected from fields near Brownsville, Tex., or Tampico, Mexico. The salt-marsh caterpillars and southern armyworms were reared in the laboratory at 80° F. At first they were fed cotton or wild foliage of various kinds, but after 1958 they were reared on bean seedlings grown in moist vermiculite and on lettuce and potato tubers. The aphids and mites were grown on cotton seedlings in a constant-temperature cabinet at 67° and 82°, respectively.

TEST PROCEDURES

In the tests against boll weevils, 20 weevils were placed in a screen wire cage and sprayed with 4 ml. of an acetone solution of the test material in a horizontal wind tunnel with an air velocity of 9 m.p.h. After treatment the insects were removed from the wind tunnel and held at 80° F. for 48 hours, at which time mortality was recorded. Weevils were considered dead if they failed to respond to a light probing with a small electric soldering iron heated to 170° (*1*).

[1] The authors express their special appreciation to Mrs. Marie Osborne of this Division, who reviewed the chemical names and the molecular formulas.

[2] Italic numbers in parentheses refer to Literature Cited, p. 2.

In the tests with salt-marsh caterpillars and southern armyworms, both sides of a cotton leaf were sprayed with 5 ml. of an acetone solution of the test material. The leaf was then cut in half and each half placed in a petri dish with 10 fourth-instar larvae. Mortality and feeding were recorded in 48 hours. The classification of feeding by these two species may be slightly misleading, since frequently little feeding occurs when insects are exposed to chemicals that are toxic to them. However, those materials that killed few or none of the insects and with which there was little feeding would be of interest to readers concerned with repellents for these species.

In tests against cotton aphids and two-spotted spider mites, cotton seedlings infested with 20 or more aphids or mites were sprayed with 5 ml. of an acetone solution of the test material on a turntable at 24 r.p.m. in a horizontal wind tunnel with an air velocity of 3.4 m.p.h. The mortality of aphids was recorded after 24 hours and of mites after 72 hours (*2*, *4*).

RESULTS

The materials tested for toxicity were graded into the following classes according to their effectiveness:

Class	*Mortality (percent)*
1	Less than 50 at 1-percent concentration.
2	50–90 at 1-percent concentration.
3	Greater than 90 at 1-percent concentration, but less than 50 at 0.5 percent.
4	Greater than 50 at 0.5-percent concentration.
4A	50 or more at 0.1-percent concentration.

Feeding was rated from 0 (no feeding) to 6 (complete or almost complete devouring of the leaf).

The results of the tests are given in table 1. The materials are arranged alphabetically by chemical or botanical name. The class 4A materials and the species against which they were effective are shown in table 2. Of the 3,148 materials reported here, 13 were in class 4A, 86 in class 4, and 109 in class 3 when tested against at least one species. Most of the remainder were in class 1.

To locate specific materials, see the index to molecular formulas or the index to entomology numbers.

LITERATURE CITED

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TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1	26147	Abietic acid, nickel derivative	1	1	1	1	4	.....	.....
2	24738	Acetaldehyde, allyl 2-ethylhexyl acetal	1	2	1	1	4	1	5
3	30999	Acetaldehyde, *alpha*-(1-bromoethyl)-6-bromopiperonyl 2-(2-ethoxyethoxy)ethyl acetal	1	1	1	1	6	1	3
4	30276	Acetaldehyde, 2-(2-butoxyethoxy)ethyl 2-(2-ethoxyethoxy)ethyl acetal	1	1	1	1	4	1	6
5	21920	Acetaldehyde, butyl 2-chloroethyl acetal	1	1	1	1	6	2	2
6	24741	Acetaldehyde, butyl 1,3-dimethylbutyl acetal	1	1	1	1	6	1	5
7	24730	Acetaldehyde, butyl phenyl acetal	1	1	1	3	6	2	2
8	24733	Acetaldehyde, butyl tetrahydrofuryl acetal	1	1	1	1	5	1	6
9	24731	Acetaldehyde, cyclohexyl 2-methoxyethyl acetal	1	1	1	1	5	1	6
10	30285	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl *p*-methoxybenzyl acetal	1	1	1	1	5	1	4
11	31905	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl *p*-(3-oxobutyl)phenyl acetal	1	1	1	1	4	1	6
12	31664	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 1-piperonylethyl acetal	1	1	1	1	6	2	3
13	24736	Acetaldehyde, ethyl geranyl acetal	1	1	1	1	4	1	6
14	24732	Acetaldehyde, 2-ethylhexyl methyl acetal	1	1	1	1	5	1	6
15	24740	Acetaldehyde, ethyl *p*-methoxyphenyl acetal	1	1	1	1	4	1	6
16	24734	Acetaldehyde, ethyl 1-methylheptyl acetal	1	1	1	1	4	1	5
17	31910	Acetaldehyde, ethyl *p*-(3-oxobutyl)phenyl acetal	1	1	1	1	5	1	4
18	21892	Acetaldehyde, ethyl phenyl acetal	1	1	1	1	6	1	5
19	21257	Acetaldehyde, ethyl piperonyl acetal	2	1	1	1	2	1	6
20	21982	Acetaldehyde, isobutyl 2-methyl-3-(3,4-methylenedioxyphenyl)propyl acetal	1	1	1	1	3	2	1
21	21908	Acetaldehyde, isobutyl phenyl acetal	2	1	1	2	3	1	6
22	24737	Acetaldehyde, isopropyl phenethyl acetal	1	1	1	1	4	1	5
23	24735	Acetaldehyde, 2-methoxyethyl tetrahydrofurfuryl acetal	1	1	1	1	4	1	5
24	24784-X	Acetaldehyde, (*p*-tolyloxy)-(50 percent in alcohol)	1	1	1	1	6	1	6
25	23530	Acetamide, *N*-benzyl-2-chloro-	1	2	1	1	5	1	5
26	32506	Acetamide, *N*-benzyl-2,2-dichloro-	1	1	1	1	4	1	4
27	23388	Acetamide, *N*-butyl-2-chloro-	1	1	1	4	2	4	1
28	23528	Acetamide, *N-sec*-butyl-2-chloro-	1	2	1	1	1	3	1
29	23573	Acetamide, *N-tert*-butyl-2-chloro-	1	1	1	2	2	2	2
30	32490	Acetamide, *N*-butyl-2,2-dichloro-	1	1	1	1	4	1	4
31	32493	Acetamide, *N-sec*-butyl-2,2-dichloro-	1	1	1	1	5	1	4
32	23531	Acetamide, 2-chloro-*N*-cyclohexyl-	1	1	1	1	6	1	6
33	23570	Acetamide, 2-chloro-*N*,*N*-diethyl-	1	1	1	3	1	2	2
34	23544	Acetamide, 2-chloro-*N*,*N*-diisobutyl-	1	1	1	1	4	1	4
35	23542	Acetamide, 2-chloro-*N*,*N*-diisopropyl-	1	1	1	1	4	1	6
36	23535	Acetamide, 2-chloro-*N*,*N*-dioctyl-	1	.....	.....	1	6	1	6
37	23551	Acetamide, 2-chloro-*N*,*N*-dipentyl-	1	1	1	1	4	1	4
38	23527	Acetamide, 2-chloro-*N*,*N*-dipropyl-	1	2	1	1	1	2	4
39	23532	Acetamide, 2-chloro-*N*-heptyl-	1	1	1	2	2	1	2
40	23533	Acetamide, 2-chloro-*N*-hexyl-	1	1	1	3	2	3	2
41	23529	Acetamide, 2-chloro-*N*-isobutyl-	1	1	1	4	1	4	1
42	23558	Acetamide, 2-chloro-*N*-(3-isopropoxypropyl)-	1	1	1	1	3	1	4
43	23574	Acetamide, 2-chloro-*N*-isopropyl-	2	1	1	2	1	3	6
44	23552	Acetamide, 2-chloro-*N*-(3-methoxypropyl)-	1	1	1	1	3	1	2
45	23565	Acetamide, 2-chloro-*N*-(*alpha*-methylbenzyl)-	2	1	1	1	2	1	4
46	23571	Acetamide, 2-chloro-*N*-1-naphthyl-	2	1	1	1	6	1	6
47	23576	Acetamide, 2-chloro-*N*-2-naphthyl-	2	1	1	1	5	1	6
48	23537	Acetamide, 2-chloro-*N*-octyl-	1	.....	.....	0	6	0	6
49	23564	Acetamide, 2-chloro-*N*-pentyl-	3	1	1	4	1	2	2
50	23562	Acetamide, 2-chloro-*N*-phenethyl-	2	1	1	1	3	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
51	23390	Acetamide, 2-chloro-*N*-propyl-	1	1	1	2	2	4	2
52	7700	Acetamide, *N*,*N*-dibenzyl-	1	1	1	1	5	1	3
53	23547	Acetamide, *N*,*N*-dibenzyl-2-chloro-	1	1	1	1	5	1	5
54	32536	Acetamide, *N*,*N*-dibenzyl-2,2-dichloro-	1	1	1	1	4	1	3
55	23543	Acetamide, *N*,*N*-dibutyl-2-chloro-	1	1	1	1	6	1	6
56	32488	Acetamide, *N*,*N*-dibutyl-2,2-dichloro-	1	1	1	1	4	1	4
57	32524	Acetamide, 2,2-dichloro-*N*-cyclohexyl-	1	1	1	1	4	1	5
58	32447	Acetamide, 2,2-dichloro-*N*,*N*-diethyl-	1	1	1	1	4	1	6
59	32497	Acetamide, 2,2-dichloro-*N*,*N*-diisobutyl-	1	1	1	1	4	1	6
60	32495	Acetamide, 2,2-dichloro-*N*,*N*-diisopropyl-	1	1	1	1	6	1	4
61	32465	Acetamide, 2,2-dichloro-*N*,*N*-dipropyl-	1	1	1	1	3	1	4
62	32498	Acetamide, 2,2-dichloro-*N*-(2-ethylhexyl)-	1	1	1	1	6	1	6
63	32496	Acetamide, 2,2-dichloro-*N*-hexyl-	1	1	1	1	6	1	5
64	32491	Acetamide, 2,2-dichloro-*N*-isobutyl-	1	1	1	1	4	1	4
65	32499	Acetamide, 2,2-dichloro-*N*-pentyl-	1	1	1	1	3	1	5
66	32535	Acetamide, 2,2-dichloro-*N*-phenethyl-	1	1	1	1	4	1	3
67	32489	Acetamide, 2,2-dichloro-*N*-propyl-	1	1	1	1	4	1	5
68	31511	Acetamide, *N*-(3,4-dimethoxyphenethyl)-	1	1	1	1	6	1	6
69	21864	Acetamide, 2-(2-ethoxyethoxy)-*N*-isobutyl-	2	1	1	1	6	1	4
70	17739	Acetanilide, 4'-acetyl-	1	1	1	1	4	1	4
71	32819	Acetanilide, 4'-(*o*-anisidinosulfonyl)-	1	1	1	1	4	.....	.....
72	23541	Acetanilide, 2'-bromo-2-chloro-	1	.....	.....	1	2	1	6
73	23550	Acetanilide, *N*-butyl-2-chloro-	1	1	1	1	.....	1	1
74	23549	Acetanilide, 2-chloro-*N*-ethyl-	1	1	1	1	0	2	0
75	32560	Acetanilide, 2-chloro-*N*-isopentyl-	1	1	1	1	4	1	4
76	23548	Acetanilide, 2-chloro-*N*-methyl-	1	1	1	1	6	1	6
77	23563	Acetanilide, 2-chloro-2'nitro-	2	2	1	1	3	1	6
78	23559	Acetanilide, 2-chloro-*N*-pentyl-	1	1	1	1	3	1	4
79	23539	Acetanilide, 2,2'-dichloro-	1	.....	.....	3	3	3	6
80	23538	Acetanilide, 2,3'-dichloro-	1	1	1	1	6	1	6
81	23540	Acetanilide, 2,4'-dichloro-	1	1	1	1	5	1	5
82	31362	Acetanilide, 3',4'-dichloro-	1	1	1	1	6	1	6
83	32533	Acetanilide, 2,2-dichloro-*N*-ethyl-	1	1	1	1	4	1	3
84	32531	Acetanilide, 2,2-dichloro-*N*-methyl-	1	1	1	1	4	1	2
85	32818	Acetanilide, 4'-(1-hexahydroazepinylsulfonyl)-	1	1	1	1	5	.....	.....
86	3341	Acetanilide, *N*-isopropyl-	1	1	1	4	2	2	1
87	31624	Acetanilide, 4',5'-methylenedioxy-2-phenyl-2'-propyl-	1	1	1	1	5	1	3
88	5797	Acetanilide, *N*-pentyl-	1	1	1	1	4	1	4
89	32817	Acetanilide, 4'-(piperidinosulfonyl)-	1	1	1	1	4	.....	.....
90	23561	Acetanilide, 2,2',5'-trichloro-	1	1	1	1	4	1	6
91	23553	*o*-Acetanisidide, 2-chloro-	1	.....	1	2	1	1	2
92	32530	*o*-Acetanisidide, 2,2-dichloro-	1	1	1	1	4	1	3
93	23554	*p*-Acetanisidide, 2-chloro-	1	1	1	1	4	1	4
94	2072	Acetic acid, heptyl ester	1	1	1	1	6	1	6
95	24138	Acetic acid, undecyl ester	1	1	1	1	4	1	2
96	21296	Acetic acid, (2-benzothiazolylthio)-, ethyl ester	1	3	1	1	3	1	6
97	26122	Acetic acid, benzoyl-, ethyl ester, nickel derivative	1	1	1	1	4	.....	.....
98	32647	Acetic acid, bromo-, bornyl ester	1	1	1	4	0	.....	.....
99	21143	Acetic acid, bromo-, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	3	1	6
100	21157	Acetic acid, bromo-, 2-chloro-1-methylethyl ester	2	1	1	4	1	1	6
101	32757	Acetic acid, bromo-, (chloromethyl)ethylene ester	1	1	1	1	1	.....	.....
102	21135	Acetic acid, bromo-, *p*-chlorophenethyl ester	1	1	2	1	3	1	3
103	21144	Acetic acid, bromo-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	2	1	1	3	2	1	6
104	21142	Acetic acid, bromo-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	3	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
105	21158	Acetic acid, bromo-, 3-chloropropyl ester	1	1	1	2	1	1	6
106	31053	Acetic acid, bromo-, 2-cyclohexylcyclohexyl ester	1	1	1	1	0	1	0
107	30395	Acetic acid, bromo-, decyl ester	1	1	1	1	1	1	0
108	21394	Acetic acid, bromo-, 2,3-dibromopropyl ester	1	1	1	1	2	1	2
109	21145	Acetic acid, bromo-, 2-(2,4-dichlorophenoxy)-1-methylethyl ester	2	1	1	1	3	1	6
110	32239	Acetic acid, bromo-, diester with *trans*-1,2-cyclopentanediol	1	2	1	2	3	1	4
111	21585	Acetic acid, bromo-, 2,4-dimethylbenzyl ester	1	1	1	1	.....	2	2
112	30204	Acetic acid, bromo-, 3,4-dimethylbenzyl ester	1	1	1	1	2	1	1
113	21136	Acetic acid, bromo-, 3,7-dimethyl-6-octenyl ester	1	1	1	1	3	1	1
114	30914	Acetic acid, bromo-, 2,2-dimethylpentyl ester	1	1	1	1	0	1	4
115	21132	Acetic acid, bromo-, 2-ethylbutyl ester	2	1	1	1	4	2	0
116	21134	Acetic acid, bromo-, 4-ethyl-1-(3-ethylhexyl)heptyl ester	1	1	1	1	6	1	6
117	21133	Acetic acid, bromo-, 4-ethyl-1-methyloctyl ester	2	1	1	2	1	1	2
118	21139	Acetic acid, bromo-, heptyl ester	2	1	1	4	2	2	0
119	30739	Acetic acid, bromo-, hexadecyl ester	1	2	1	1	1	1	1
120	21926	Acetic acid, bromo-, 3-methoxybutyl ester	1	1	1	1	5	3	3
121	32606	Acetic acid, bromo-, 3-methoxypropyl ester	1	1	1	1	4	.....	.....
122	30201	Acetic acid, bromo-, *m*-methylbenzyl ester	1	1	1	1	1	1	0
123	21463	Acetic acid, bromo-, *p*-nitrobenzyl ester	1	2	1	1	5	1	3
124	30590	Acetic acid, bromo-, nonyl ester	1	1	1	1	0	1	1
125	32089	Acetic acid, bromo-, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	3	3	1	6
126	30211	Acetic acid, bromo-, 1,2,3-propanetriyl ester	1	1	1	1	1	1	1
127	21430	Acetic acid, bromo-, propylene ester	1	3	2	2	2	1	1
128	31309	Acetic acid, bromo-, 2-propylheptyl ester	1	1	1	2	0	2	2
129	21156	Acetic acid, bromo-, tetredecyl ester	2	1	1	2	1	1	6
130	21179	Acetic acid, bromo-, (tetrahydropyran-2-yl)-methyl ester	1	1	1	1	1	1	6
131	21431	Acetic acid, bromo-, tetramethylene ester	1	3	3	1	2	1	3
132	32781	Acetic acid, bromo-, 1,3,3-trimethyl-2-norbornyl ester	1	1	1	1	4	.....	.....
133	32620	Acetic acid, bromo-, 2,2,4-trimethylpentyl ester	1	1	1	2	1	.....	.....
134	32599	Acetic acid, bromo-, 10-undecenyl ester	1	1	1	1	4	.....	.....
135	30901	Acetic acid, bromo-, undecyl ester	1	1	1	1	6	1	4
136	21696	Acetic acid, (*p-tert*-butylphenoxy)-, allyl ester	1	1	1	1	1	1	4
137	21462	Acetic acid, (*p-tert*-butylphenoxy)-, butyl ester	1	2	1	1	6	1	5
138	21483	Acetic acid, (*p-tert*-butylphenoxy)-, 2-chloroethyl ester	1	2	1	1	4	1	4
139	21695	Acetic acid, (*p-tert*-butylphenoxy)-, isobutyl ester	1	1	1	1	3	1	3
140	21698	Acetic acid, (*p-tert*-butylphenoxy)-, isopentyl ester	1	1	1	1	5	1	5
141	21694	Acetic acid, (*p-tert*-butylphenoxy)-, isopropyl ester	1	1	1	1	2	1	4
142	21700	Acetic acid, (*p-tert*-butylphenoxy)-, 2-methoxyethyl ester	1	1	1	1	5	1	6
143	4801	Acetic acid, (*p-tert*-butylphenoxy)-, methyl ester	1	1	1	1	2	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
144	21697	Acetic acid, (*p-tert*-butylphenoxy)-, pentyl ester	1	1	1	1	4	1	5
145	21461	Acetic acid, (*p-tert*-butylphenoxy)-, propyl ester	1	2	1	1	6	1	6
146	21465	Acetic acid, (*p-tert*-butylphenoxy)-, 2-propynyl ester	1	2	1	2	1	2	0
147	32646	Acetic acid, chloro-, bornyl ester	1	1	1	2	1	.....	.....
148	32164	Acetic acid, chloro-, (chloromethyl)ethylene ester	1	2	1	1	6	1	5
149	32690	Acetic acid, chloro-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	2	1	1	4	.....	.....
150	32228	Acetic acid, chloro-, diester with *trans*-1,2-cyclopentanediol	1	4	2	1	5	1	3
151	30386	Acetic acid, chloro-, 2,4-dimethylbenzyl ester	1	1	1	1	4	1	4
152	30197	Acetic acid, chloro-, 3,4-dimethylbenzyl ester	1	1	1	1	2	1	2
153	32207	Acetic acid, chloro-, (4,4-dimethyl-*m*-dioxan-5-yl)methyl ester	1	1	1	1	2	1	4
154	31387	Acetic acid, chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	1	1	4
155	32668	Acetic acid, chloro-, geranyl ester	1	1	1	1	4	.....	.....
156	32663	Acetic acid, chloro-, 3-methoxy-1,3-dimethylbutyl ester	1	1	1	3	3	.....	.....
157	32605	Acetic acid, chloro-, 3-methoxypropyl ester	1	1	1	1	3	.....	.....
158	30063	Acetic acid, chloro-, *m*-methylbenzyl ester	1	1	1	1	2	1	2
159	32088	Acetic acid, chloro-, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	2	3	1	6
160	31307	Acetic acid, chloro-, 2-propylheptyl ester	1	1	1	1	1	1	4
161	32724	Acetic acid, chloro-, 1,3,3-trimethyl-2-norbornyl ester	1	1	1	1	3	.....	.....
162	32619	Acetic acid, chloro-, 2,2,4-trimethylpentyl ester	1	1	1	1	4	.....	.....
163	32597	Acetic acid, chloro-, 10-undecenyl ester	1	1	1	1	4	.....	.....
164	32184	Acetic acid, (*p*-chlorophenoxy)-, *p*-chlorobenzyl ester	1	4	4	1	5	1	5
165	32185	Acetic acid, (*p*-chlorophenoxy)-, 6-chloropiperonyl ester	1	1	1	1	5	2	4
166	32186	Acetic acid, (*p*-chlorophenoxy)-, 1,1-dimethyl-2-oxopropyl ester	1	2	2	1	5	1	4
167	32187	Acetic acid, (*p*-chlorophenoxy)-, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	3	2	1	6	1	4
168	7371	Acetic acid, cyano-, 4-methylcyclohexyl ester	1	.....	.....	.....	.....	1	5
169	5831	Acetic acid, cyanophenyl-, ethyl ester	1	1	1	1	4	1	5
170	21402	Acetic acid, dichloro-, benzyl ester	1	1	1	1	6	1	5
171	21409	Acetic acid, dichloro-, 2-bromoethyl ester	1	1	1	2	5	2	0
172	32553	Acetic acid, dichloro-, *p*-bromophenyl ester	1	1	1	1	6	.....	.....
173	21428	Acetic acid, dichloro-, 2-(2-butoxyethoxy)-ethyl ester	2	1	1	1	6	1	4
174	21411	Acetic acid, dichloro-, 2-butoxyethyl ester	1	1	1	1	6	1	5
175	21401	Acetic acid, dichloro-, butyl ester	1	1	1	1	6	1	5
176	32543	Acetic acid, dichloro-, *sec*-butyl ester	1	1	1	1	5	.....	.....
177	21408	Acetic acid, dichloro-, 2-chloroethyl ester	1	1	1	2	2	3	6
178	32551	Acetic acid, dichloro-, *o*-chlorophenyl ester	1	1	1	1	4	.....	.....
179	32691	Acetic acid, dichloro-, *p*-chlorophenyl ester	1	1	1	1	5	.....	.....
180	21407	Acetic acid, dichloro-, cyclohexyl ester	1	1	1	1	6	1	4
181	32653	Acetic acid, dichloro-, 2-cyclohexylcyclohexyl ester	1	1	1	1	5	.....	.....
182	21429	Acetic acid, dichloro-, cyclopentyl ester	1	1	2	1	6	2	3

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
183	32611	Acetic acid, dichloro-, 4-methylcyclohexyl ester	1	1	1	1	4	.....	.....
184	32556	Acetic acid, dichloro-, 2-naphthyl ester	1	1	2	1	5	.....	.....
185	32137	Acetic acid, dichloro-, *p*-(3-oxobutyl)phenyl ester	1	1	1	1	6	1	5
186	21410	Acetic acid, dichloro-, phenethyl ester	1	1	1	1	6	1	4
187	32542	Acetic acid, dichloro-, phenyl ester	1	1	1	1	4	1	4
188	21460	Acetic acid, dichloro-, tetrahydrofurfuryl ester	1	1	1	1	6	1	6
189	32548	Acetic acid, dichloro-, *m*-tolyl ester	1	1	1	1	4	.....	.....
190	32550	Acetic acid, dichloro-, *p*-tolyl ester	1	1	1	1	4	.....	.....
191	26115	Acetic acid, (2,4-dichlorophenoxy)-, nickel derivative	1	1	1	1	4	.....	.....
192	23354	Acetic acid, (3,4-dimethoxyphenyl)-	1	1	1	1	6	1	6
193	32315	Acetic acid, (3,4-dimethoxyphenyl)-, allyl ester	1	1	1	1	4	1	4
194	32319	Acetic acid, (3,4-dimethoxyphenyl)-, benzyl ester	1	1	1	1	5	2	4
195	32317	Acetic acid, (3,4-dimethoxyphenyl)-, 2-bromoethyl ester	1	1	1	1	4	2	4
196	32318	Acetic acid, (3,4-dimethoxyphenyl)-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	4	2	4
197	32262	Acetic acid, (3,4-dimethoxyphenyl)-, butyl ester	1	1	1	1	6	2	4
198	32316	Acetic acid, (3,4-dimethoxyphenyl)-, 2-chloroethyl ester	1	1	1	1	4	1	4
199	32260	Acetic acid, (3,4-dimethoxyphenyl)-, ethyl ester	1	1	1	1	4	1	6
200	32314	Acetic acid, (3,4-dimethoxyphenyl)-, isobutyl ester	1	2	1	1	4	2	4
201	32261	Acetic acid, (3,4-dimethoxyphenyl)-, isopropyl ester	1	1	1	1	4	1	5
202	32322	Acetic acid, (3,4-dimethoxyphenyl)-, 2-methoxyethyl ester	1	1	1	1	4	2	3
203	32321	Acetic acid, (3,4-dimethoxyphenyl)-, pentyl ester	1	1	1	1	4	2	4
204	32259	Acetic acid, (3,4-dimethoxyphenyl)-, propyl ester	1	1	1	1	5	1	4
205	32320	Acetic acid, (3,4-dimethoxyphenyl)-, tetrahydrofurfuryl ester	1	1	1	1	5	1	3
206	30417	Acetic acid, iodo-, benzyl ester	1	1	1	1	2	1	0
207	30432	Acetic acid, iodo-, 2-bromoethyl ester	1	1	1	1	1	2	0
208	30422	Acetic acid, iodo-, 2-chloroethyl ester	1	1	1	1	4	4	6
209	30442	Acetic acid, iodo-, ethylene ester	1	1	1	1	0	1	0
210	30426	Acetic acid, iodo-, hexyl ester	1	1	1	1	5	4	5
211	30427	Acetic acid, iodo-, 2-phenoxyethyl ester	1	1	1	1	1	1	0
212	10592	Acetic acid, (*p*-methoxyphenoxy)-	1	1	1	1	6	1	4
213	32231	Acetic acid, (*p*-methoxyphenoxy)-, allyl ester	1	1	1	1	4	1	4
214	32234	Acetic acid, (*p*-methoxyphenoxy)-, benzyl ester	1	1	1	1	4	1	4
215	32236	Acetic acid, (*p*-methoxyphenoxy)-, 2-bromoethyl ester	1	1	1	1	4	1	4
216	32237	Acetic acid, (*p*-methoxyphenoxy)-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	6	1	4
217	32232	Acetic acid, (*p*-methoxyphenoxy)-, butyl ester	1	1	1	1	6	1	4
218	32233	Acetic acid, (*p*-methoxyphenoxy)-, 2-chloroethyl ester	1	1	1	1	4	1	4
219	10593	Acetic acid, (*p*-methoxyphenoxy)-, ethyl ester	1	1	1	1	6	1	4
220	32230	Acetic acid, (*p*-methoxyphenoxy)-, isopropyl ester	1	1	1	1	5	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
221	32235	Acetic acid, (*p*-methoxyphenoxy)-, 2-methoxyethyl ester	1	1	1	1	4	1	4
222	32229	Acetic acid, (*p*-methoxyphenoxy)-, propyl ester	1	1	1	1	4	1	4
223	31105	Acetic acid, (*p*-methoxyphenyl)-, benzyl ester	1	1	1	1	3	1	5
224	31104	Acetic acid, (*p*-methoxyphenyl)-, 2-bromoethyl ester	1	1	1	1	0	1	1
225	31101	Acetic acid, (*p*-methoxyphenyl)-, butyl ester	1	1	1	1	1	1	1
226	31102	Acetic acid, (*p*-methoxyphenyl)-, 2-chloroethyl ester	1	1	1	1	1	1	4
227	31111	Acetic acid, (*p*-methoxyphenyl)-, cyclohexyl ester	1	1	1	1	2	1	2
228	31085	Acetic acid, (*p*-methoxyphenyl)-, ethyl ester	1	1	1	1	1	1	1
229	31103	Acetic acid, (*p*-methoxyphenyl)-, isobutyl ester	1	1	1	1	1	1	1
230	31079	Acetic acid, (*p*-methoxyphenyl)-, isopropyl ester	1	1	1	1	0	1	1
231	31078	Acetic acid, (*p*-methoxyphenyl)-, propyl ester	1	1	1	1	2	1	2
232	31297	Acetic acid, (*o*-nitrophenyl)-	1	1	1	1	5	1	5
233	21399	Acetic acid, phenoxy-, 2,3-dibromopropyl ester	1	1	2	1	6	1	6
234	30918	Acetic acid, phenoxy-, 2,2-dimethylpentyl ester	1	1	1	1	4	1	2
235	31127	Acetic acid, phenoxy-, heptyl ester	1	1	1	1	3	1	4
236	21969	Acetic acid, phenoxy-, 3-methoxybutyl ester	1	1	1	1	6	1	2
237	32609	Acetic acid, phenoxy-, 3-methoxypropyl ester	1	1	1	1	5	.....	.....
238	31353	Acetic acid, phenoxy-, 2-propylheptyl ester	1	1	1	1	5	1	2
239	21188	Acetic acid, phenoxy-, (tetrahydropyran-2-yl)methyl ester	1	1	1	1	6	1	6
240	32643	Acetic acid, phenoxy-, 2,2,4-trimethylpentyl ester	1	2	1	1	3	.....	.....
241	37602	Acetic acid, phenoxy-, 10-undecenyl ester	1	1	1	1	4	.....	.....
242	30252	Acetic acid, phenyl-, *o*-allyloxybenzyl ester	1	2	1	1	5	1	6
243	32648	Acetic acid, phenyl-, bornyl ester	1	2	1	1	4	.....	.....
244	30264	Acetic acid, phenyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	4	1	4
245	30458	Acetic acid, phenyl-, 2-butoxyethyl ester	1	1	1	1	5	1	0
246	30322	Acetic acid, phenyl-, *sec*-butyl ester	1	1	1	1	1	1	6
247	30327	Acetic acid, phenyl-, 2-(*o*-*sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	3	1	4
248	30329	Acetic acid, phenyl-, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
249	30351	Acetic acid, phenyl-, 2-(*p*-*tert*-butylphenoxy)-1-methylethyl ester	1	1	1	1	5	1	6
250	30321	Acetic acid, phenyl-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
251	30325	Acetic acid, phenyl-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	1	1	5
252	21400	Acetic acid, phenyl-, 2,3-dibromopropyl ester	1	1	1	1	6	1	6
253	30391	Acetic acid, phenyl-, 2,4-dimethylbenzyl ester	1	1	1	1	4	1	5
254	30251	Acetic acid, phenyl-, 3,4-dimethylbenzyl ester	1	2	1	1	4	1	3
255	30916	Acetic acid, phenyl-, 2,3-dimethylpentyl ester	1	1	1	1	4	1	2
256	21338	Acetic acid, phenyl-, *p*-ethoxybenzyl ester	1	3	1	1	6	1	6
257	30263	Acetic acid, phenyl-, 2-ethoxyethyl ester	1	1	1	1	2	1	2
258	30294	Acetic acid, phenyl-, 2-(*p*-ethoxyphenyl)-ethyl ester	1	1	1	1	5	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
259	30326	Acetic acid, phenyl-, 1-ethylpropyl ester	1	1	1	1	6	1	1
260	19339	Acetic acid, phenyl-, heptyl ester	1	.....	.....	1	6	1	6
261	21968	Acetic acid, phenyl-, 3-methoxybutyl ester	1	1	1	1	5	1	6
262	30268	Acetic acid, phenyl-, 2-(2-methoxyethoxy)-ethyl ester	1	1	1	1	4	1	6
263	32608	Acetic acid, phenyl-, 3-methoxypropyl ester	1	1	1	1	3	.....	.....
264	30168	Acetic acid, phenyl-, *m*-methylbenzyl ester	1	1	1	1	6	1	6
265	30265	Acetic acid, phenyl-, (6-methyl-3-cyclohexen-1-yl)methyl ester	1	1	1	1	4	1	5
266	31398	Acetic acid, phenyl-, 3,4-methylenedioxy-phenyl ester	1	1	1	1	5	1	4
267	20104	Acetic acid, phenyl-, 2-methylpentyl ester	1	1	1	1	6	1	.....
268	30320	Acetic acid, phenyl-, 1-methyl-2-phenoxy-ethyl ester	1	1	1	1	2	1	4
269	32090	Acetic acid, phenyl-, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	1	4	1	4
270	20517	Acetic acid, phenyl-, piperonyl ester	1	.....	.....	1	5	1	4
271	31308	Acetic acid, phenyl-, 2-propylheptyl ester	1	1	1	1	4	1	4
272	21183	Acetic acid, phenyl-, (tetrahydropyran-2-yl)-methyl ester	1	1	1	1	6	1	6
273	32623	Acetic acid, phenyl-, 2,2,4-trimethylpentyl ester	1	1	1	1	6	.....	.....
274	32601	Acetic acid, phenyl-, 10-undecenyl ester	1	1	1	1	4	.....	.....
275	31478	Acetic acid, thio-, 6-bromopiperonyl ester	1	1	1	1	6	1	3
276	32470	Acetic acid, trichloro-, allyl ester	1	1	1	1	4	1	5
277	32475	Acetic acid, trichloro-, benzyl ester	1	1	1	1	4	1	4
278	32651	Acetic acid, trichloro-, bornyl ester	1	1	1	1	4	.....	.....
279	32474	Acetic acid, trichloro-, 2-bromoethyl ester	1	1	1	1	5	1	4
280	32479	Acetic acid, trichloro-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	6	1	4
281	32478	Acetic acid, trichloro-, 2-butoxyethyl ester	1	1	1	1	6	1	4
282	32473	Acetic acid, trichloro-, 2-chloroethyl ester	1	1	1	1	4	1	6
283	32591	Acetic acid, trichloro-, (chloromethyl)-ethylene ester	1	1	1	1	4	.....	.....
284	32692	Acetic acid, trichloro-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	6	.....	.....
285	32665	Acetic acid, trichloro-, 2-cyclohexylcyclo-hexyl ester	1	1	1	1	6	.....	.....
286	32476	Acetic acid, trichloro-, cyclopentyl ester	1	1	1	1	4	1	5
287	31254	Acetic acid, trichloro-, *alpha*-ethylbenzyl ester	1	1	1	1	5	1	5
288	32485	Acetic acid, trichloro-, heptyl ester	1	1	1	1	4	1	5
289	32472	Acetic acid, trichloro-, isopentyl ester	1	1	1	1	4	1	6
290	32469	Acetic acid, trichloro-, isopropyl ester	1	1	1	1	4	1	5
291	32607	Acetic acid, trichloro-, 3-methoxypropyl ester	1	1	1	1	6	.....	.....
292	32676	Acetic acid, trichloro-, 2-methylcyclohexyl ester	1	1	1	1	4	.....	.....
293	32590	Acetic acid, trichloro-, 2-methylpentyl ester	1	1	1	1	4	.....	.....
294	32592	Acetic acid, trichloro-, nonyl ester	1	1	1	1	5	.....	.....
295	32487	Acetic acid, trichloro-, octyl ester	1	1	1	1	4	1	4
296	32138	Acetic acid, trichloro-, *p*-(3-oxobutyl)phenyl ester	1	1	1	1	6	1	6
297	32471	Acetic acid, trichloro-, pentyl ester	1	1	1	1	4	1	6
298	18691	Acetic acid, trichloro-, phenethyl ester	1	1	1	1	4	1	5
299	32480	Acetic acid, trichloro-, 2-phenoxyethyl ester	1	1	1	1	5	1	5
300	18538	Acetic acid, trichloro-, 3-phenylpropyl ester	1	1	1	1	4	1	5
301	32468	Acetic acid, trichloro-, propyl ester	1	1	1	1	4	1	5
302	32477	Acetic acid, trichloro-, tetrahydrofurfuryl ester	1	1	1	1	6	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
303	32445	Acetic acid, trichloro-, tetramethylene ester	1	1	1	1	4	1	6
304	32782	Acetic acid, trichloro-, 1,3,3-trimethyl-2-norbornyl ester	1	1	1	1	4	.....	.....
305	32621	Acetic acid, trichloro-, 2,2,4-trimethylpentyl ester	1	2	1	1	4	.....	.....
306	32595	Acetic acid, trichloro-, 10-undecenyl ester	1	1	1	1	5	.....	.....
307	26112	Acetic acid, trifluoro-, nickel derivative	1	1	1	1	4	.....	.....
308	26157	Acetoacetanilide, nickel derivative	1	1	1	1	4	.....	.....
309	26123	Acetoacetanilide, 2′-chloro-, nickel derivative	1	1	1	1	4	.....	.....
310	26132	Acetoacetic acid, ethyl ester, nickel derivative	1	1	1	1	4	.....	.....
311	25436	2′-Acetonaphthone, 3-ethyl-5′,6′,7′,8′-tetrahydro-5′,5′,8′,8′-tetramethyl-	1	1	1	1	3	.....	.....
312	26136	2′-Acetonaphthone, 1′-hydroxy-, nickel derivative	1	1	1	1	4	.....	.....
313	26275	Acetone, dimethyl acetal	1	1	1	1	5	.....	.....
314	30370	Acetonitrile, [5-(chloromethyl)-2,4-xylyl]-	1	1	1	1	4	1	6
315	23882	Acetonitrile (3,4-dimethoxyphenyl)-	1	2	1	1	4	1	5
316	17436	Acetonitrile, diphenyl-	1	1	1	1	6	1	5
317	21056	Acetonitrile, (3,4-methylenedioxyphenyl)-	1	1	1	2	1	3	6
318	23566	*o*-Acetophenetidide, 2-chloro-	2	1	1	2	1	2	3
319	23575	*p*-Acetophenetidide, 2-chloro-	2	1	1	1	5	1	6
320	25258	Acetophenone, 2-chloro-3′,4′-dihydroxy-	1	1	1	1	5	1	6
321	26135	Acetophenone, 2′-hydroxy-, nickel derivative	1	1	1	1	4	.....	.....
322	10544	Acetophenone, 4′-hydroxy-, acetate	1	1	1	1	4	1	5
323	25259	Acetophenone, 4′-methoxy-2-(*p*-methoxyphenyl)-	1	1	1	1	5	1	6
324	30572	Acetophenone, 3′,4′-methylenedioxy-	1	1	1	1	6	1	1
325	13006	*m*-Acetotoluidide, *alpha,alpha,alpha*-trifluoro-	1	1	1	1	4	1	4
326	26187	*m*-Acetotoluidide, *alpha,alpha,alpha*-trifluoro-4′-nitro-	1	1	1	1	3	.....	.....
327	23534	*o*-Acetotoluidide, 2-chloro-	1	1	1	1	4	1	4
328	32528	*o*-Acetotoluidide, 2,2-dichloro-	1	1	1	1	4	1	5
329	23536	*p*-Acetotoluidide, 2-chloro-	1	1	1	1	6	1	6
330	32529	*p*-Acetotoluidide, 2,2-dichloro-	1	1	1	1	4	1	4
331	24768	Acrolein, 3-(3-cyclohexen-1-yl)-2-methyl-	1	1	1	1	4	1	6
332	24759	Acrolein, 2-methyl-3-(5-norbornen-2-yl)-	1	1	1	1	3	2	3
333	25002	Acrylamide, *N-tert*-butyl-	1	2	2	1	2	1	3
334	30121	Acrylamide, *N,N*-diethyl-3-(3,4-methylenedioxyphenyl)-2-phenyl-	1	1	1	1	6	1	5
335	25447	Acrylamide, *N*-(hydroxymethyl)-	1	1	1	2	0	.....	.....
336	8643	Acrylamide, *N,N′*-methylenebis-	1	1	1	1	2	.....	.....
337	26325	Acrylamide, *N*-(1,1,3,3-tetramethylbutyl)-	1	1	1	1	6	.....	.....
338	26034	Acrylanilide, 3′,4′-dichloro-2-methyl-	1	1	1	1	6	.....	.....
339	15739	Acrylic acid, butyl ester	1	1	1	1	6	1	4
340	3833	Acrylic acid, 2-ethylhexyl ester	1	1	1	1	6	1	3
341	26616	Acrylic acid, 3-benzoyl-	1	1	1	1	6	.....	.....
342	10548	Acrylic acid, 3-benzoyl-, ethyl ester	1	.....	.....	.....	.....	1	4
343	30702	Acrylic acid, 3-(2-bromo-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester	1	1	1	1	4	1	5
344	30703	Acrylic acid, 3-(2-chloro-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester	1	1	1	1	5	1	5
345	6485	Adipamic acid, *N,N*-dipropyl-, methyl ester	1	.....	.....	.....	.....	1	5
346	32417	Adipic acid, bis(2-bromoethyl) ester	1	1	1	1	4	1	4
347	32416	Adipic acid, bis(2-chloroethyl) ester	1	1	1	3	6	1	3
348	32693	Adipic acid, di-*sec*-butyl ester	1	1	1	1	6	.....	.....
349	32431	Adipic acid, di-2-propynyl ester	1	2	1	3	6	3	1
350	26305	Aleuritic acid	1	1	1	1	5	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
351	26306	Aleuritic acid, methyl ester	1	1	1	1	4	.....	.....
352	21365	*Alkanna tinctoria* root, ethanol extractive	1	1	1	1	6	1	6
353	737	Alloöcimene	1	1	1	.....	.....	1	4
354	30206	Ammonium compound, dimethylbis(*o*-methylbenzyl) - - - bromide	1	1	1	1	4	1	5
355	30430	Ammonium compound, trimethyl(*o*-methylbenzyl) - - - bromide	1	1	1	1	4	1	6
356	21319	*Anethum graveolens* seed, ethyl ether extractive	2	3	2	1	6	1	6
357	22125	Aniline, 4,4'-benzylidenebis[*N*,*N*-dimethyl-	1	1	1	1	4	1	5
358	26297	Aniline, 2,6-diethyl-	1	1	1	1	4	.....	.....
359	30019	Aniline, *N*,*N*-diisobutyl-2,4-dinitro-	1	1	1	1	6	1	5
360	32265	Aniline, *N*,*N*-dimethyl-4,5-methylenedioxy-2-propyl-	1	1	1	1	6	1	6
361	31845	Aniline, *N*,*N*-dimethyl-*p*-(3-oxobutyl)-	1	1	1	1	4	1	4
362	26296	Aniline, *o*-ethyl-	1	1	1	1	4	.....	.....
363	31623	Aniline, 4,5-methylenedioxy-2-propyl-	1	1	1	1	6	1	3
364	31691	Aniline, *N*-(1-piperonylethyl)-	1	1	1	1	5	2	1
365	21263	*m*-Anisaldehyde, 4-ethoxy-	1	1	1	1	6	1	5
366	30295	*o*-Anisaldehyde, diethyl acetal	1	1	1	1	5	1	6
367	30253	*m*-Anisic acid, 4-(2-methylallyl)-, methyl ester	1	2	1	1	5	1	4
368	30644	*p*-Anisic acid, allyl ester	1	1	1	1	4	1	2
369	30648	*p*-Anisic acid, benzyl ester	1	1	1	1	5	1	5
370	30603	*p*-Anisic acid, 2-bromoethyl ester	1	1	1	1	2	1	1
371	30645	*p*-Anisic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	4	1	3
372	30610	*p*-Anisic acid, 2-butoxyethyl ester	1	1	1	1	4	1	3
373	30597	*p*-Anisic acid, *sec*-butyl ester	1	1	1	1	4	1	6
374	32393	*p*-Anisic acid, *p*-chlorobenzyl ester	1	1	1	1	4	1	4
375	30602	*p*-Anisic acid, 2-chloroethyl ester	1	1	1	1	3	1	0
376	30728	*p*-Anisic acid, decyl ester	1	1	1	1	4	1	6
377	32083	*p*-Anisic acid, 2,3-dibromopropyl ester	1	1	1	1	4	1	6
378	30390	*p*-Anisic acid, 2,4-dimethylbenzyl ester	1	1	1	1	4	1	6
379	30203	*p*-Anisic acid, 3,4-dimethylbenzyl ester	1	1	1	1	5	1	4
380	31389	*p*-Anisic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	4	1	4
381	30917	*p*-Anisic acid, 2,2-dimethylpentyl ester	1	1	1	1	4	1	4
382	30643	*p*-Anisic acid, 2-ethylbutyl ester	1	1	1	1	5	1	4
383	30601	*p*-Anisic acid, 1-ethylpentyl ester	1	1	1	1	4	1	4
384	30609	*p*-Anisic acid, heptyl ester	1	1	1	1	4	1	3
385	21972	*p*-Anisic acid, 3-methoxybutyl ester	1	1	1	1	5	1	2
386	30607	*p*-Anisic acid, 2-methoxyethyl ester	1	1	1	1	5	1	3
387	30084	*p*-Anisic acid, *m*-methylbenzyl ester	1	1	1	1	5	1	5
388	30596	*p*-Anisic acid, nonyl ester	1	1	1	1	4	1	6
389	30650	*p*-Anisic acid, octyl ester	2	1	1	1	4	1	3
390	31013	*p*-Anisic acid, piperonyl ester	1	1	1	1	4	1	4
391	31358	*p*-Anisic acid, 2-propylheptyl ester	1	1	1	1	4	1	4
392	30660	*p*-Anisic acid, 2-propynyl ester	1	1	1	4	4	3	3
393	30035	*p*-Anisic acid, 3-allyl-, methyl ester	1	1	1	1	6	1	4
394	30231	*p*-Anisic acid, 3-(2-methylallyl)-, methyl ester	1	1	1	1	5	1	3
395	30022	*o*-Anisidine, *N*-(2,4-dinitrophenyl)-	1	1	1	.....	.....	1	4
396	23357	*p*-Anisoin	1	1	1	1	6	1	5
397	21041	Anisole, *p*-(2-butenyloxy)-	1	1	1	2	1	1	2
398	30143	Anisole, *p*-isopropenyl-	1	1	1	1	3	2	1
399	30037	Anisole, *o*-(2-methylallyl)-	1	1	1	1	6	1	4
400	30040	Anisyl alcohol, 3-allyl-	1	1	1	1	6	1	4
401	21412	Anisyl alcohol, *alpha*,*alpha*-dimethyl-	1	1	1	1	4	1	3
402	41014	*Annona glabra*-A leaves, ethyl ether extractive	1	1	1	1	5	.....	.....
403	41015	*Annona glabra*-A leaves, methanol extractive	1	1	1	1	6	.....	.....
404	41012	*Annona glabra* stem, ethyl ether extractive	1	1	1	1	6	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
405	41013	*Annona glabra* stem, methanol extractive	1	1	1	1	6	.....	.....
406	25000	*m*-Anol, 6-ethoxy-	1	1	1	.....	.....	1	4
407	1022	Anthranilic acid, methyl ester	1	1	1	1	6	1	5
408	23569	Anthranilic acid, *N*-chloroacetyl-, methyl ester	2	1	1	1	4	1	6
409	20232	Anthranilic acid, *N*-(2,3-dimethoxybenzylidene)-	1	1	1	1	6	1	6
410	20239	Anthranilic acid, *N*-(*p*-dimethylaminobenzylidene)-	2	1	1	1	5	1	6
411	30011	Anthranilic acid, *N,N*-oxalyldi-	1	1	1	1	5	1	5
412	20231	Anthranilic acid, *N*-piperonylidene-	1	1	1	1	6	1	6
413	21318	*Apium graveolens* seed, ethyl ether extractive	1	3	1	1	6	1	6
414	21639-X	*Areca catechu* nuts, ethanol extractive	1	1	1	1	6	1	6
415	32694	Azelaic acid, di-*sec*-butyl ester	1	1	1	1	5	.....	.....
416	32726	Azelaic acid, diisopentyl ester	1	1	1	1	5	.....	.....
417	32893	Aziridine, 2-methyl-1-*m*-toluoyl-	1	1	1	1	6	.....	.....
418	22098	Benzaldehyde, dibutyl acetal	1	1	1	1	3	1	4
419	31165	Benzaldehyde, dipropyl acetal	1	1	1	1	1	1	1
420	5767	Benzaldehyde, *o*-(allyloxy)-	1	1	1	.....	.....	1	6
421	30296	Benzaldehyde, *o*-(allyloxy)-, diethyl acetal	1	1	1	2	1	2	2
422	32809	Benzaldehyde, 2-(allyloxy)-5-bromo-	1	1	1	1	6	.....	.....
423	31884	Benzaldehyde, *p*-hydroxy-, acetate	1	1	1	1	4	1	5
424	5765	Benzaldehyde, *o*-(2-methylallyloxy)-	1	.....	.....	.....	.....	1	4
425	30338	Benzaldehyde, *o*-(2-methylallyloxy)-, diethyl acetal	1	1	1	1	4	1	6
426	30335	Benzamide, *N*-butyl-*p*-isopropyl-	1	1	1	1	4	1	4
427	30331	Benzamide, *N*-*sec*-butyl-*p*-isopropyl-	1	1	1	1	5	1	6
428	14147	Benzamide, *o*-chloro-*N,N*-diethyl-	1	1	1	1	2	1	5
429	30182	Benzamide, *N,N*-dibutyl-*p*-isopropyl-	1	1	2	1	3	1	3
430	30259	Benzamide, *N,p*-diisopropyl-	1	1	1	1	4	1	2
431	30013	Benzamide, *N,N*-diphenyl-	1	1	1	.....	.....	1	3
432	30223	Benzamide, *N*-ethyl-*p*-isopropyl-	1	1	1	1	4	1	5
433	30180	Benzamide, *p*-isopropyl-*N,N*-dimethyl-	1	1	1	1	2	1	1
434	30181	Benzamide, *p*-isopropyl-*N,N*-dipropyl-	1	1	1	1	2	1	0
435	30219	Benzamide, *p*-isopropyl-*N*-methyl-	1	1	1	1	2	1	2
436	30438	Benzamide, *p*-isopropyl-*N*-pentyl-	1	1	1	1	4	1	6
437	30016	Benzamide, *N,N'-p*-phenylenebis-	1	1	1	1	6	1	6
438	30210	Benzamide, *N,N,p*-triisopropyl-	1	1	1	1	1	1	1
439	30012	Benzanilide, 4'-bromo-	1	1	1	1	6	1	4
440	30014	Benzanilide, *N*-2-naphthyl-	1	1	1	1	6	1	5
441	21984	Benzene, 2-allyl-1,4-dimethoxy-	1	1	1	1	4	3	4
442	31038	Benzene, 1-[1-(allyloxy)-2-bromopropyl]-3,4-methylenedioxy-	1	1	1	3	4	2	0
443	21079	Benzene, 4-(allyloxy)-1,2-methylenedioxy-	1	1	1	2	1	4	2
444	31535	Benzene, 4-bromo-5-{2-bromo-1-[2-(2-butoxyethoxy)ethoxy]propyl}-1,2-methylenedioxy	1	1	1	1	4	1	6
445	31073	Benzene, 4-bromo-5-[2-bromo-1-(2-butoxyethoxy)propyl]-1,2-methylenedioxy-	1	1	1	1	1	1	1
446	31058	Benzene, 4-bromo-5-(2-bromo-1-butoxypropyl)-1,2-methylenedioxy-	1	1	1	1	0	1	1
447	31113	Benzene, 4-bromo-5-[2-bromo-1-(2-ethoxyethoxy)propyl]-1,2-methylenedioxy-	1	1	1	1	1	1	0
448	31114	Benzene, 4-bromo-5-(2-bromo-1-hexyloxypropyl)-1,2-methylenedioxy-	1	1	1	1	2	1	4
449	31080	Benzene, 4-bromo-5-(2-bromo-1-isobutoxypropyl)-1,2-methylenedioxy-	1	1	1	1	1	1	4
450	31083	Benzene, 4-bromo-5-(2-bromo-1-isopentyloxypropyl)-1,2-methylenedioxy-	1	1	1	1	0	1	4
451	31062	Benzene, 4-bromo-5-(2-bromo-1-isopropoxypropyl)-1,2-methylenedioxy-	1	1	1	1	0	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
452	31539	Benzene, 4-bromo-2-{2-bromo-1-[2-(2-methoxyethoxy)ethoxy]propyl}-1,2-methylenedioxy-	1	1	1	1	6	1	5
453	31068	Benzene, 4-bromo-5-[2-bromo-1-(2-methoxyethoxy)propyl]-1,2-methylenedioxy-	1	1	1	1	0	1	2
454	30984	Benzene, 4-bromo-5-(2-bromo-1-methoxypropyl)-1,2-methylenedioxy-	1	1	1	1	4	1	0
455	31084	Benzene, 4-bromo-5-(2-bromo-1-pentyloxypropyl)-1,2-methylenedioxy-	1	1	1	1	0	1	2
456	31005	Benzene, 4-bromo-5-(2-bromo-1-propoxypropyl)-1,2-methylenedioxy-	1	1	1	1	1	1	2
457	31035	Benzene, 4-(2-bromo-1-butoxypropyl)-1,2-methylenedioxy-	1	1	1	2	0	2	1
458	31290	Benzene, 1-bromo-2-chloro-	1	1	1	1	4	1	4
459	30938	Benzene, 5-bromo-4-(1,2-dibromopropyl)-1,2-methylenedioxy-	1	1	1	1	4	1	4
460	30958	Benzene, 5-bromo-4-(2,3-dibromopropyl)-1,2-methylenedioxy-	1	1	1	1	4	1	2
461	31001	Benzene, 4-(2-bromo-1-ethoxypropyl)-1,2-methylenedioxy-	1	1	1	2	0	4	1
462	31036	Benzene, 4-[2-bromo-1-(isopentyloxy)propyl]-1,2-methylenedioxy-	1	1	1	1	1	2	0
463	31037	Benzene, 4-(2-bromo-1-isopropoxypropyl)-1,2-methylenedioxy-	1	1	1	2	1	4	1
464	31000	Benzene, 4-(2-bromo-1-methoxypropyl)-1,2-methylenedioxy-	1	1	1	4	1	4	1
465	31255	Benzene, 5-bromo-1,2-methylenedioxy-4-propyl-	1	1	1	2	0	4	2
466	31033	Benzene, 4-(2-bromo-1-propoxypropyl)-1,2-methylenedioxy-	1	1	1	1	0	1	1
467	21934	Benzene, 4-{[2-(1-butoxyethoxy)ethoxy]-methyl}-1,2-methylenedioxy-	1	1	1	1	5	1	3
468	21289	Benzene, 3-[(1-butoxyethoxy)methyl]-1,2-dimethoxy-	1	1	1	1	4	1	5
469	21275	Benzene, 4-[(1-butoxyethoxy)methyl]-1,2-methylenedioxy-	2	1	1	1	4	1	6
470	21291	Benzene, 3-{[1-(2-chloroethoxy)ethoxy]-methyl}-1,2-dimethoxy-	2	1	1	1	6	1	6
471	21503	Benzene, 4-{[1-(2-chloroethoxy)ethoxy]-methyl}-1,2-dimethoxy-	1	1	1	1	5	1	6
472	21274	Benzene, 4-{[1-(2-chloroethoxy)ethoxy]-methyl}-1,2-methylenedioxy-	2	1	1	1	5	1	6
473	30936	Benzene, 4-(2,3-dibromopropyl)-1,2-methylenedioxy-	1	1	1	1	4	1	2
474	21245	Benzene, 1,2-dichloro-4,5-methylenedioxy-	2	1	1	4	5	4	2
475	21990	Benzene, 1,4-dimethoxy-2-(2-methylallyl)-	1	1	1	1	5	1	3
476	21292	Benzene, 3-[(1-ethoxyethoxy)methyl]-1,2-dimethoxy-	2	1	1	1	4	1	6
477	21293	Benzene, 3-{[1-(2-ethylhexyloxy)ethoxy]-methyl}-1,3-dimethoxy-	1	1	2	1	6	1	6
478	21256	Benzene, 4-{[1-(2-ethylhexyloxy)ethoxy]-methyl}-1,2-methylenedioxy-	2	1	1	2	2	1	5
479	32293	Benzene, 5-iodo-1,2-methylenedioxy-4-propyl-	1	1	1	4	3	4	5
480	21290	Benzene, 3-[(1-isobutoxyethoxy)methyl]-1,2-dimethoxy-	1	1	1	1	6	1	6
481	21276	Benzene, 4-[(1-isobutoxyethoxy)methyl]-1,2-methylenedioxy-	2	1	1	1	2	1	5
482	21532	Benzene, 1-methoxy-2-(2-methylallyloxy)-	1	1	1	3	4	2	3
483	21493	Benzene, 1-methoxy-4-(2-methylallyloxy)-	1	1	1	1	5	4	2
484	32896	Benzene, 1-methoxy-4-phenoxy-	1	1	1	1	6	.....	.....
485	30043	Benzene, 4-[3-(*p*-methoxyphenyl)propyl]-1,2-methylenedioxy-	1	1	1	1	2	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
486	31622	Benzene, 1,2-methylenedioxy-4-nitro-5-propyl-	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 3	*Class* 2	*Rating* 2
487	21631	Benzene, 1,2,3-trichloro-4,5-methylenedioxy-	1	1	1	2	0	2	1
488	20797	Benzene, 1,2,4-trimethoxy-	1	1	1	2	5	4	4
489	30009	Benzenesulfonamide, *p*-bromo-*N*-(*p*-chlorophenyl)-	1	1	1	1	2	1	2
490	30010	Benzenesulfonamide, *p*-bromo-*N*-*p*-tolyl-	1	1	1	1	1	1	2
491	32816	Benzenesulfonamide, *N*-cyclohexyl-	1	1	1	1	2	.....	.....
492	32869	Benzenesulfonamide, *N*-cyclohexyl-3-nitro-	1	1	1	1	6	.....	.....
493	26459	Benzenesulfonamide, *N*,*N*-dibutyl-*p*-chloro-	1	1	1	1	5	.....	.....
494	31621	Benzenesulfonanilide, 3',4'-methylenedioxy-6'-propyl-	1	1	1	1	4	1	3
495	31626	Benzenesulfonanilide, *N*-methyl-4',5'-methylenedioxy-2'-propyl-	1	1	1	1	4	2	3
496	25261	Benzenesulfonic acid, 4-hydroxy-3-methyl-	1	1	1	1	6	1	6
497	15418	Benzenethiol	1	1	1	.....	.....	2	0
498	26176	Benzenethiol, *p*-*tert*-butyl-	1	1	1	1	4	.....	.....
499	21615	Benzhydrol, *alpha*-*tert*-butyl-4,4'-dimethyl-	1	1	1	1	5	1	4
500	25406	Benzhydrol, 4,4'-dichloro-*alpha*-(difluoromethyl)-	1	1	4	1	1	1	1
501	21467	Benzimidazole, 2-(allylthio)-	1	1	1	1	4	1	4
502	18633	2-Benzimidazolethiol	1	1	1	1	3	1	4
503	26591	1,2-Benzisothiazole, 3-(diethylamino)-, 1,1-dioxide	1	1	1	1	.....	.....	.....
504	26590	1,2-Benzisothiazoline-2-carboxylic acid, 3-oxo-, 1,1-dioxide, ethyl ester	1	1	1	1	.....	.....	.....
505	26588	1,2-Benzisothiazolin-3-one, 2-(diethylcarbamoyl)-, 1,1-dioxide	2	2	1	1	.....	.....	.....
506	26589	1,2-Benzisothiazolin-3-one, 2-(diethylthiocarbamoyl)-, 1,1-dioxide	1	1	1	1	.....	.....	.....
507	30588	Benzoic acid, nonyl ester	1	1	1	1	4	1	5
508	30501	Benzoic acid, octyl ester	1	1	1	1	6	1	3
509	1805	Benzoic acid, *p*-tolyl ester	1	1	1	1	4	1	4
510	30705	Benzoic acid, undecyl ester	1	1	1	1	4	1	6
511	21413	Benzoic acid, *m*-(allyloxy)-, methyl ester	1	1	1	1	4	2	1
512	21704	Benzoic acid, *p*-(allyloxy)-, methyl ester	1	1	1	1	1	1	4
513	30015	Benzoic acid, *p*-benzamido-, ethyl ester	1	1	1	1	6	1	4
514	32789	Benzoic acid, *o*-benzoyl-, 2-chloroethyl ester	1	1	1	1	4	.....	.....
515	26117	Benzoic acid, *o*-benzoyl-, nickel derivative	1	1	1	1	4	.....	.....
516	32787	Benzoic acid, *o*-benzoyl, propyl ester	2	1	1	1	4	.....	.....
517	32398	Benzoic acid, *m*-bromo-, *o*-cumenyl ester	1	1	1	1	5	1	4
518	32397	Benzoic acid, *m*-bromo-, 2-(2-methoxyethoxy)ethyl ester	1	1	1	1	3	1	4
519	32761	Benzoic acid, *p*-bromo-, propyl ester	1	1	1	1	4	.....	.....
520	32796	Benzoic acid, *o*-(*p*-bromobenzoyl)-, 2-bromoethyl ester	1	1	1	1	4	.....	.....
521	32790	Benzoic acid, *o*-(*p*-bromobenzoyl)-, ethyl ester	1	1	1	1	4	.....	.....
522	21551	Benzoic acid, *m*-*sec*-butoxy-, methyl ester	1	1	1	1	6	1	6
523	21552	Benzoic acid, *p*-*sec*-butoxy-, methyl ester	1	1	1	1	2	1	6
524	32786	Benzoic acid, *p*-*tert*-butyl-, 2-butoxyethyl ester	2	1	1	1	6	.....	.....
525	32784	Benzoic acid, *p*-*tert*-butyl-, butyl ester	2	1	1	1	4	.....	.....
526	32785	Benzoic acid, *p*-*tert*-butyl-, 2-chloroethyl ester	2	1	1	1	5	.....	.....
527	21414	Benzoic acid, *p*-*tert*-butyl-, methyl ester	1	1	1	1	5	3	3
528	32069	Benzoic acid, *o*-chloro-, 2,3-dibromopropyl ester	1	1	1	1	4	1	6
529	31392	Benzoic acid, *o*-chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	5	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
530	30920	Benzoic acid, *o*-chloro-, 2,2-dimethylpentyl ester	1	1	1	1	5	1	4
531	30975	Benzoic acid, *o*-chloro-, heptyl ester	1	1	1	1	4	1	2
532	31355	Benzoic acid, *o*-chloro-, 2-propylheptyl ester	1	1	1	1	4	1	4
533	23580	Benzoic acid, *p*-chloro-, allyl ester	2	1	1	4	0	2	2
534	8352	Benzoic acid, *p*-chloro-, benzyl ester	2	1	1	1	6	1	4
535	4515	Benzoic acid, *p*-chloro-, 2-bromoethyl ester	1	1	1	1	2	2	1
536	23688	Benzoic acid, *p*-chloro-, 2-butoxyethyl ester	2	2	1	1	4	1	6
537	6086	Benzoic acid, *p*-chloro-, butyl ester	1	1	1	1	6	1	5
538	23581	Benzoic acid, *p*-chloro-, *sec*-butyl ester	2	1	1	2	3	1	4
539	23686	Benzoic acid, *p*-chloro-, *tert*-butyl ester	1	4	1	2	1	3	6
540	23694	Benzoic acid, *p*-chloro-, 2-butyloctyl ester	3	1	2	1	5	1	6
541	4514	Benzoic acid, *p*-chloro-, 2-chloroethyl ester	1	1	1	3	3	3	5
542	23697	Benzoic acid, *p*-chloro-, 1-(chloromethyl)-ethyl ester	2	1	1	1	5	1	6
543	23683	Benzoic acid, *p*-chloro-, cyclohexyl ester	1	1	1	1	4	1	6
544	23685	Benzoic acid, *p*-chloro-, cyclopentyl ester	2	2	1	1	5	1	6
545	23698	Benzoic acid, *p*-chloro-, decyl ester	3	1	1	1	6	1	6
546	30931	Benzoic acid, *p*-chloro-, 2,2-dimethylpentyl ester	1	1	1	1	5	1	4
547	23687	Benzoic acid, *p*-chloro-, 2-ethoxyethyl ester	2	2	1	1	4	1	6
548	6083	Benzoic acid, *p*-chloro-, ethyl ester	1	1	1	1	4	1	5
549	23695	Benzoic acid, *p*-chloro-, 2-ethylbutyl ester	3	2	1	1	4	1	6
550	23691	Benzoic acid, *p*-chloro-, 4-ethyl-1-methyl-octyl ester	3	2	1	1	6	1	6
551	23684	Benzoic acid, *p*-chloro-, 1-ethylpentyl ester	2	2	1	1	6	1	6
552	23681	Benzoic acid, *p*-chloro-, 1-ethylpropyl ester	2	1	1	1	5	1	5
553	23682	Benzoic acid, *p*-chloro-, hexyl ester	1	2	1	1	6	1	5
554	23579	Benzoic acid, *p*-chloro-, isobutyl ester	2	1	1	1	4	1	4
555	6089	Benzoic acid, *p*-chloro-, isopentyl ester	1	1	1	1	6	1	6
556	23577	Benzoic acid, *p*-chloro-, isopropyl ester	1	1	1	2	6	1	6
557	23689	Benzoic acid, *p*-chloro-, 2-(2-methoxyethoxy)-ethyl ester	2	1	1	1	4	1	4
558	23680	Benzoic acid, *p*-chloro-, 2-methoxyethyl ester	2	1	1	1	4	1	5
559	23578	Benzoic acid, *p*-chloro-, methyl ester	2	1	1	4	1	1	6
560	26126	Benzoic acid, *p*-chloro-, nickel derivative	1	1	1	1	6	1	3
561	23582	Benzoic acid, *p*-chloro-, pentyl ester	2	1	1	1	4	1	4
562	23690	Benzoic acid, *p*-chloro-, phenethyl ester	3	1	1	1	5	1	6
563	23696	Benzoic acid, *p*-chloro-, 2-phenoxyethyl ester	2	1	1	1	4	1	6
564	6082	Benzoic acid, *p*-chloro-, propyl ester	1	1	1	1	5	1	2
565	23693	Benzoic acid, *p*-chloro-, 2-propynyl ester	1	1	1	3	6	4	0
566	23692	Benzoic acid, *p*-chloro-, tetrahydrofurfuryl ester	2	2	1	1	6	1	6
567	30902	Benzoic acid, *p*-chloro-, undecyl ester	1	1	1	1	4	1	4
568	32695	Benzoic acid, 4-chloro-3-nitro-, 2-bromoethyl ester	1	1	1	1	3	.....	.....
569	32696	Benzoic acid, 4-chloro-3-nitro-, butyl ester	1	2	1	1	4	.....	.....
570	32697	Benzoic acid, 4-chloro-3-nitro-, 2-chloroethyl ester	1	1	1	1	2	.....	.....
571	32727	Benzoic acid, 4-chloro-3-nitro-, isobutyl ester	1	1	1	1	6	.....	.....
572	32671	Benzoic acid, 4-chloro-3-nitro-, propyl ester	1	1	1	1	5	.....	.....
573	32889	Benzoic acid, 3,4-dichloro-, hydrazide	1	1	1	1	6	.....	.....
574	26127	Benzoic acid, 3,4-dichloro-, nickel derivative	1	1	1	1	3	.....	.....
575	30232	Benzoic acid, 2,4-dimethoxy-, methyl ester	1	1	1	1	5	1	5
576	32698	Benzoic acid, *o*-(4,5-dimethyl-1,3-dioxolan-2-yl)-, methyl ester	1	1	1	1	4	.....	.....
577	32244	Benzoic acid, *p*-formamido-	1	1	1	1	5	1	4
578	20213	Benzoic acid, *p*-hydroxy-, acetate	1	1	1	1	6	1	6

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TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
579	30144	Benzoic acid, *o*-(2-hydroxy-4,4-dimethyl-6-oxo-1-cyclohexen-1-yl)-, lactone	1	1	1	1	6	1	6
580	21705	Benzoic acid, *p*-isobutoxy-, methyl ester	1	1	1	1	2	1	3
581	30042	Benzoic acid, *m*-isopropoxy-, ethyl ester	1	1	1	1	5	1	4
582	21416	Benzoic acid, *m*-isopropoxy-, methyl ester	1	2	1	1	5	2	2
583	30190	Benzoic acid, *p*-isopropyl-, allyl ester	1	1	1	1	1	3	5
584	30187	Benzoic acid, *p*-isopropyl-, benzyl ester	1	1	1	1	5	1	5
585	30159	Benzoic acid, *p*-isopropyl-, 2-bromoethyl ester	1	1	1	1	2	1	0
586	30151	Benzoic acid, *p*-isopropyl-, butyl ester	1	1	1	1	2	1	2
587	30154	Benzoic acid, *p*-isopropyl-, *sec*-butyl ester	1	1	1	1	4	1	3
588	30158	Benzoic acid, *p*-isopropyl-, 2-chloroethyl ester	1	1	1	2	2	1	1
589	30188	Benzoic acid, *p*-isopropyl-, cyclohexyl ester	1	1	1	1	1	1	4
590	30189	Benzoic acid, *p*-isopropyl-, cyclopentyl ester	1	1	1	1	0	1	4
591	30183	Benzoic acid, *p*-isopropyl-, 2-(2-ethoxyethoxy)ethyl ester	1	1	1	1	2	1	1
592	30162	Benzoic acid, *p*-isopropyl-, 2-ethoxyethyl ester	1	1	1	1	3	1	4
593	30153	Benzoic acid, *p*-isopropyl-, ethyl ester	1	1	1	1	1	1	0
594	30184	Benzoic acid, *p*-isopropyl-, 2-ethylbutyl ester	1	1	1	1	3	1	5
595	30185	Benzoic acid, *p*-isopropyl-, 2-ethylhexyl ester	1	1	1	1	5	1	4
596	30191	Benzoic acid, *p*-isopropyl-, heptyl ester	1	1	1	1	6	1	6
597	30186	Benzoic acid, *p*-isopropyl-, hexyl ester	1	1	1	1	4	1	5
598	30150	Benzoic acid, *p*-isopropyl-, isobutyl ester	1	1	1	1	2	1	2
599	30156	Benzoic acid, *p*-isopropyl-, isopentyl ester	1	1	1	1	2	1	4
600	30209	Benzoic acid, *p*-isopropyl-, *p*-methoxybenzyl ester	1	1	.....	1	4	1	4
601	30179	Benzoic acid, *p*-isopropyl-, 3-methoxybutyl ester	1	1	1	1	3	1	4
602	30163	Benzoic acid, *p*-isopropyl-, 2-(2-methoxyethoxy)ethyl ester	1	1	1	1	4	1	2
603	30160	Benzoic acid, *p*-isopropyl-, 2-methoxyethyl ester	1	1	1	1	3	1	1
604	30152	Benzoic acid, *p*-isopropyl-, methyl ester	1	1	1	1	1	1	1
605	30155	Benzoic acid, *p*-isopropyl-, pentyl ester	1	1	1	1	5	1	3
606	30192	Benzoic acid, *p*-isopropyl-, phenethyl ester	1	1	1	1	4	1	6
607	30193	Benzoic acid, *p*-isopropyl-, 3-phenylpropyl ester	1	1	1	1	6	1	6
608	30147	Benzoic acid, *p*-isopropyl-, propyl ester	1	1	1	1	2	1	1
609	30195	Benzoic acid, *p*-isopropyl-, tetrahydrofurfuryl ester	1	1	1	1	2	1	3
610	30194	Benzoic acid, *p*-isopropyl-, 2,2,2-trichloroethyl ester	1	1	1	1	1	1	3
611	26181	Benzoic acid, *o*-mercapto-, methyl ester	1	1	1	1	3	1	4
612	21530	Benzoic acid, *m*-(2-methylallyloxy)-, methyl ester	1	1	1	1	5	1	5
613	21562	Benzoic acid, *p*-(2-methylallyloxy)-, methyl ester	1	1	1	1	5	1	2
614	26160	Benzoin, oxime, nickel derivative	1	1	1	1	4	.....	.....
615	30023	Benzophenone, phenylhydrazone	1	1	1	1	0	1	4
616	21755	Benzophenone, 3,4-methylenedioxy-	1	2	1	1	2	1	6
617	21165	Benzothiazole, 2-(allylthio)-	2	1	1	4	0	1	5
618	21166	Benzothiazole, 2-(benzylthio)-	2	1	1	1	4	1	5
619	21935	Benzothiazole, 2-[1-(2-chloroethoxy)ethylthio]-	1	1	1	1	4	1	6
620	30200	Benzothiazole, 2-(2-hydroxyethoxy)-	1	1	1	1	6	1	4
621	21187	Benzothiazole, 2-(2-hydroxyethylthio)-, acetate	1	1	1	1	5	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
622	21167	Benzothiazole, 2-(propylthio)-	2	1	1	1	1	1	6
623	26209	1,2,3-Benzotriazin-4(3*H*)-one, 3-butyl-	2	2	2	2	3	2	2
624	30038	Benzyl alcohol, 3-allyl-4-ethoxy-	1	1	1	1	6	1	4
625	21417	Benzyl alcohol, *o*-(allyloxy)-	2	2	1	1	4	1	3
626	21419	Benzyl alcohol, *p-tert*-butyl-	1	3	1	1	6	1	3
627	20349	Benzyl alcohol, *alpha-tert*-butyl-*o*-methoxy-	1	.....	.....	.....	.....	1	6
628	20493	Benzyl alcohol, *p*-chloro-, acetate	2	1	1	1	6	1	.....
629	20553	Benzyl alcohol, 3,4-dichloro-	2	1	1	1	6	1	.....
630	26458	Benzyl alcohol, 3,4-dichloro-*alpha*-(trichloromethyl)-	1	1	1	1	4	.....	.....
631	21992	Benzyl alcohol, *o,alpha*-dimethyl-	1	1	1	1	5	1	2
632	5532	Benzyl alcohol, *alpha,alpha*-dimethyl-	1	1	1	1	5	1	6
633	24749	Benzyl alcohol, *alpha,alpha*-dimethyl-, acetate	1	1	1	1	3	2	1
634	21160	Benzyl alcohol, 2,4-dimethyl-, acetate	1	1	1	1	4	1	6
635	30169	Benzyl alcohol, 2,4-dimethyl-, benzoate	1	1	1	3	3	4	1
636	30171	Benzyl alcohol, 2,4-dimethyl-, formate	1	1	1	1	5	1	3
637	21534	Benzyl alcohol, 2,5-dimethyl-, acetate	1	1	1	1	3	2	3
638	21300	Benzyl alcohol, 3,4-dimethyl-	1	3	1	1	6	1	6
639	21282	Benzyl alcohol, 3,4-dimethyl-, acetate	3	1	1	1	6	1	6
640	30198	Benzyl alcohol, 3,4-dimethyl-, benzoate	1	1	1	1	6	1	6
641	30120	Benzyl alcohol, 3,4-dimethyl-, formate	1	1	1	1	6	1	3
642	21420	Benzyl alcohol, *o*-ethoxy-	1	2	1	1	6	1	3
643	21161	Benzyl alcohol, *p*-ethoxy-, acetate	1	1	1	1	4	1	6
644	21902	Benzyl alcohol, *m*-ethyl-, acetate	1	1	1	1	4	1	4
645	21535	Benzyl alcohol, *p*-ethyl-	1	1	1	1	2	1	6
646	21527	Benzyl alcohol, *p*-ethyl-, acetate	1	1	1	1	6	2	4
647	24781	Benzyl alcohol, *alpha*-ethyl-*alpha*-methyl-	1	1	1	1	3	2	4
648	31974	Benzyl alcohol, *p*-hydroxy-, acetate	1	1	1	1	4	1	5
649	5844	Benzyl alcohol, *p*-(isopentyloxy)-	1	1	1	1	3	1	2
650	30291	Benzyl alcohol, 3-methoxy-4-(2-methylallyl)-	1	1	1	1	5	1	3
651	21554	Benzyl alcohol, *m*-methyl-, acetate-	1	1	1	1	4	1	6
652	8357	Benzyl alcohol, *m*-methyl-, benzoate	1	.....	.....	.....	.....	1	6
653	21875	Benzyl alcohol, *m*-methyl-, formate-	1	1	1	1	5	1	4
654	21536	Benzyl alcohol, *o*-methyl-	1	1	1	1	3	2	4
655	21537	Benzyl alcohol, *o*-methyl-, acetate	1	1	1	1	2	2	2
656	30293	Benzyl alcohol, *o*-(2-methylallyloxy)-	1	1	1	1	3	1	4
657	24933	Benzyl alcohol, *alpha*-(1-methyl-1-nitroethyl)-	1	1	1	1	5	1	6
658	24926	Benzyl alcohol, *alpha*-nitromethyl-	1	1	1	1	6	1	4
659	4237	Benzyl alcohol, *alpha*-propyl-	1	1	1	1	6	2	2
660	2454	Benzyl alcohol, *alpha*-(trichloromethyl)-, acetate	1	1	1	.....	.....	1	3
661	30208	Benzylamine, *N,o*-dimethyl-	1	1	1	1	4	1	4
662	30172	Benzylamine, *o*-methoxy-*N,N*-dimethyl-	1	1	1	1	4	1	6
663	30199	Benzylamine, *N,N,o*-trimethyl-	1	1	1	1	6	1	4
664	21360	*Berberis vulgaris* root bark, ethanol extractive	1	1	1	1	6	1	6
665	41071	*Betula lenta* leaves and stems, ethanol extractive	1	1	1	1	5	.....	.....
666	41079	*Betula populifolia* leaves and stems, ethanol extractive	1	1	1	1	6	.....	.....
667	41078	*Betula populifolia* leaves and stems, ethyl ether extractive	1	1	1	1	6	.....	.....
668	14380	Bicyclo[3.1.1]hept-2-ene-2-ethanol, 6,6-dimethyl-, acetate	1	.....	.....	.....	.....	1	4
669	25718	Bi-2,4-cyclopentadien-1-yl, decachloro-	1	2	4	1	1	.....	.....
670	14763	Biguanide, phenyl-, hydrochloride	1	1	1	1	9	.....	.....
671	24979	Bis(tributyltin) oxide	1	4	4A	4A	0	4A	0
672	41069	*Bixa orellana* leaves and stems, ethanol extractive	1	1	1	1	5	.....	.....
673	32650	Borneol, formate	1	1	1	1	4	.....	.....
674	21594-X	*Brassica alba* seeds, ethyl ether extractive	1	1	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
675	21595-X	*Brassica nigra* seeds, ethyl ether extractive	1	1	1	1	6	1	6
676	25262	Butane, 2-bromo-	1	1	1	1	6	1	6
677	26039	1,3-Butanediamine, *N,N,N',N'*-tetramethyl-	1	1	1	1	6	.....	.....
678	25444	1,4-Butanediamine	1	1	1	1	4	.....	.....
679	26037	1,3-Butanediol, 2,2-dimethyl-	1	1	1	1	6	.....	.....
680	31295	1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)-	1	1	1	1	2	1	3
681	24920	1-Butanol, 3-methoxy-	1	1	1	.....	.....	1	5
682	21921	1-Butanol, 3-methoxy-, acetate	1	1	1	1	6	1	4
683	21932	1-Butanol, 3-methoxy-, benzoate	1	1	1	1	5	1	3
684	30440	1-Butanol, 3-methoxy-, formate	1	1	1	1	4	1	6
685	24190	1-Butanol, 2-methyl-	1	1	1	1	6	.....	.....
686	30504	2-Butanol, benzoate	1	1	1	1	6	1	2
687	21271	2-Butanol, 4-*p*-cumenyl-	2	1	1	1	4	1	6
688	21283	2-Butanol, 4-*p*-cumenyl-, acetate	2	1	1	1	3	1	6
689	24793	2-Butanol, 4-cyclohexyl-	1	1	1	1	4	1	5
690	30966	2-Butanol, 3,4-dibromo-2-methyl-, benzoate	1	1	1	1	4	1	1
691	31843	2-Butanol, 4-(*p*-hydroxyphenyl)-	1	1	1	1	4	1	4
692	32020	2-Butanol, 4-(*p*-hydroxyphenyl)-, diacetate	1	1	1	1	4	1	6
693	5903	2-Butanol, 4-(*p*-methoxyphenyl)-	2	1	1	1	5	1	6
694	21284	2-Butanol, 4-(*p*-methoxyphenyl)-, acetate	2	1	1	1	6	1	6
695	24925	2-Butanol, 3-methyl-1-nitro-	1	1	1	1	6	1	5
696	24792	2-Butanol, 3-methyl-4-phenyl-	1	1	1	1	3	1	3
697	24795	2-Butanol, 3-methyl-4-phenyl-, acetate	1	1	1	1	5	1	5
698	24924	2-Butanol, 1-nitro-	1	1	1	1	6	1	5
699	21273	2-Butanone, 4-*p*-cumenyl-	2	1	1	1	3	1	6
700	32224	2-Butanone, 4-(3,4-dimethoxyphenyl)-, phenylhydrazone	1	1	4	1	4	1	3
701	31841	2-Butanone, 4-[*p*-(2-hydroxyethoxy)phenyl]-, acetate	1	1	1	1	4	1	6
702	31837	2-Butanone, 4-(4-hydroxy-3-methoxyphenyl)-	1	1	1	1	5	1	5
703	31899	2-Butanone, 4-(4-hydroxy-3-methoxyphenyl)-, acetate	1	1	1	1	4	1	5
704	23404	2-Butanone, 3-hydroxy-3-methyl-	1	1	1	1	6	1	6
705	31830	2-Butanone, 4-(*o*-hydroxyphenyl)-	1	1	1	2	3	2	3
706	31840	2-Butanone, 4-(*o*-hydroxyphenyl)-, acetate	1	1	1	1	3	1	4
707	31833	2-Butanone, 4-(*p*-hydroxyphenyl)-, acetate	1	1	1	1	5	1	5
708	21272	2-Butanone, 4-(*o*-methoxyphenyl)-	2	1	1	1	4	1	6
709	24790	2-Butanone, 3-methyl-4-phenyl-	1	1	1	2	3	2	1
710	24791	2-Butanone, 3-methyl-4-*p*-tolyl-	1	1	1	1	4	2	3
711	32226	2-Butanone, 4-(phenylsulfinyl)-	1	1	1	2	3	1	3
712	32225	2-Butanone, 4-(phenylthio)-	1	1	1	1	4	1	4
713	21979	2-Butanone, 4-*o*-tolyl-	1	1	1	1	6	2	2
714	21978	2-Butanone, 4-(2,4-xylyl)-	1	1	1	1	6	1	3
715	18438	3-Butenenitrile	1	1	1	1	4	1	4
716	26247	Butene, polymers (n ≃ 5)	1	1	1	1	4	.....	.....
717	26248	Butene, polymers (n ≃ 8)	1	1	1	1	5	.....	.....
718	26249	Butene, polymers (n ≃ 9)	1	1	1	1	4	.....	.....
719	26250	Butene, polymers (n ≃ 12)	1	1	1	1	4	.....	.....
720	26251	Butene, polymers (n ≃ 13)	1	1	1	.....	.....	.....	.....
721	26252	Butene, polymers (n ≃ 14)	1	1	1	1	4	.....	.....
722	26253	Butene, polymers (n ≃ 15)	1	1	1	1	3	.....	.....
723	26254	Butene, polymers (n ≃ 20)	1	1	1	1	5	.....	.....
724	32200	3-Butenoic acid, 6-bromopiperonyl ester	1	1	1	1	4	1	4
725	17636	3-Butenoic acid, ethyl ester	1	1	1	1	4	1	5
726	32201	3-Butenoic acid, 5-norbornen-2-ylmethyl ester	1	1	1	1	5	1	4
727	24769	3-Buten-2-one, 4-cyclohexyl-	1	1	1	1	4	1	6
728	5777	3-Buten-2-one, 4-furyl-	1	.....	.....	.....	.....	3	3
729	23864	3-Buten-2-one, 4-(*o*-hydroxyphenyl)-	1	1	1	1	4	1	4
730	30539	3-Buten-2-one, 4-(*p*-hydroxyphenyl)-	1	1	1	1	5	1	5
731	24756	3-Buten-2-one, 4-(2-norbornyl)-	1	1	1	1	5	3	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
732	21938	3-Buten-2-one, 4-*o*-tolyl-	1	1	1	1	6	1	5
733	24774	3-Buten-2-one, 4-(2,4,6-trimethyl-3-cyclohexen-1-yl)-	1	1	1	1	4	1	4
734	21977	3-Buten-2-one, 4-(2,4-xylyl)-	1	1	1	1	6	1	3
735	26038	Butylene oxide (mixed isomers)	1	1	1	1	6	.....	.....
736	25453	3-Butyn-1-ol	1	1	1	1	6	1	6
737	25355-X	Butyraldehyde, 3-methoxy-(50 percent in methanol)	1	1	1	.....	.....	2	4
738	25336	Butyraldehyde, 3-methoxy-, dimethyl acetal	1	1	1	.....	.....	1	4
739	31416	Butyramide, *N*-butyl-3-methyl-	1	1	1	1	4	1	5
740	31476	Butyramide, *N-sec*-butyl-3-methyl-	1	1	1	1	4	1	6
741	31423	Butyramide, *N*-cyclohexyl-3-methyl-	1	1	1	1	2	1	6
742	31414	Butyramide, *N,N*-dibutyl-3-methyl-	1	1	1	1	3	1	6
743	31410	Butyramide, *N,N*-diethyl-3-methyl-	1	1	1	1	4	1	4
744	31419	Butyramide, *N,N*-diisobutyl-3-methyl-	1	1	1	1	2	1	5
745	31412	Butyramide, *N,N*-diisopropyl-3-methyl-	1	1	1	1	4	1	6
746	31513	Butyramide, *N*-(3,4-dimethoxyphenethyl)-	1	1	1	1	6	1	4
747	31415	Butyramide, *N*-isobutyl-3-methyl-	1	1	1	1	4	1	6
748	31421	Butyramide, 3-methyl-*N,N*-dioctyl-	1	1	1	1	6	1	5
749	31411	Butyramide, 3-methyl-*N,N*-dipropyl-	1	1	1	1	4	1	4
750	30262	Butyramide, *N,N*,2-triethyl-	1	1	1	1	1	1	2
751	31475	Butyranilide, *N*-butyl-3-methyl-	1	1	1	1	4	1	4
752	18497	Butyranilide, 4′-chloro-	1	1	1	1	4	1	1
753	31483	Butyranilide, 4′-chloro-3-methyl-	1	1	1	1	3	1	2
754	31408	Butyranilide, 3′,4′-dichloro-	1	1	1	1	5	1	6
755	30496	Butyric acid, 2-(allyloxy)-1-(chloromethyl)-ethyl ester	1	1	1	1	4	1	1
756	32613	Butyric acid, bornyl ester	1	1	1	1	5	.....	.....
757	30709	Butyric acid, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)phenyl ester	1	1	1	1	4	1	6
758	30428	Butyric acid, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	1
759	30437	Butyric acid, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	4
760	30434	Butyric acid, 2-(*p-tert*-butylphenoxy)-1-methylethyl ester	1	1	1	1	6	1	5
761	30419	Butyric acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	6	1	2
762	3884	Butyric acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	5	1	3
763	2140	Butyric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	4	1	4
764	30734	Butyric acid, decyl ester	1	1	1	1	4	1	4
765	30906	Butyric acid, 2,3-dibromo-1,1-dimethylpropyl ester	1	1	1	1	1	1	6
766	21398	Butyric acid, 2,3-dibromopropyl ester	1	1	1	1	6	1	6
767	32074	Butyric acid, diester with *p*-acetoxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	4
768	32072	Butyric acid, diester with *cis-trans*-1,4-cyclohexanedimethanol	1	1	1	1	4	1	6
769	32256	Butyric acid, diester with *trans*-1,2-cyclopentanediol	1	1	1	1	6	1	5
770	32078	Butyric acid, diester with *m*-propionyloxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	6
771	32075	Butyric acid, diester with *p*-propionyloxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	5
772	32408	Butyric acid, diester with *cis-trans*-2,2,4,4-tetramethyl-1,3-cyclobutanediol	1	1	1	1	6	1	4
773	30379	Butyric acid, 2,4-dimethylbenzyl ester	1	1	1	1	4	1	6
774	30137	Butyric acid, 3,4-dimethylbenzyl ester	1	1	1	1	6	1	4
775	32206	Butyric acid, (4,4-dimethyl-*m*-dioxan-5-yl)-methyl ester	1	1	1	1	5	1	4
776	31854	Butyric acid, 4-(2,2-dimethyl-1,3-dioxolan-4-yl)butyl ester	1	1	1	1	4	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
777	30912	Butyric acid, 2,2-dimethylpentyl ester	1	1	1	1	5	1	4
778	21866	Butyric acid, *alpha*-ethylbenzyl ester	1	1	1	1	2	1	4
779	31453	Butyric acid, 2-(ethylthio)ethyl ester	1	1	1	1	6	1	6
780	32666	Butyric acid, geranyl ester	1	1	1	1	6	.....	.....
781	21505	Butyric acid, heptyl ester	1	2	1	1	5	1	6
782	32675	Butyric acid, 4-isopropylcyclohexyl ester	1	1	1	1	6	.....	.....
783	21923	Butyric acid, 3-methoxybutyl ester	1	1	1	1	6	1	3
784	31836	Butyric acid, *p*-(methoxycarbonyl)phenyl ester	1	1	1	1	4	1	4
785	30062	Butyric acid, *m*-methylbenzyl ester	1	1	1	1	5	1	4
786	30449	Butyric acid, 1-naphthylmethyl ester	1	1	1	1	4	1	3
787	32082	Butyric acid, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	1	4	1	6
788	31835	Butyric acid, *p*-(3-oxobutyl)phenyl ester	1	1	1	1	5	1	4
789	31302	Butyric acid, 2-propylheptyl ester	1	1	1	1	4	1	5
790	30730	Butyric acid, *p*-(1,1,3,3-tetramethylbutyl)-phenyl ester	1	1	1	1	4	1	3
791	30506	Butyric acid, thymyl ester	1	1	1	1	4	1	0
792	32783	Butyric acid, 1,3,3-trimethyl-2-norbornyl ester	1	1	1	1	2	.....	.....
793	32616	Butyric acid, 2,2,4-trimethylpentyl ester	1	1	1	1	4	.....	.....
794	32598	Butyric acid, 10-undecenyl ester	1	1	1	1	4	.....	.....
795	30898	Butyric acid, undecyl ester	1	1	1	1	4	1	4
796	24888	Butyric acid, vinyl ester	2	1	1	1	6	1	6
797	25454	Butyric acid, 4-acetyl-4-hydroxy-, *gamma*-lactone	1	1	1	1	4	.....	.....
798	21970	Butyric acid, 2-bromo-, 3-methoxybutyl ester	1	1	1	1	6	1	3
799	26106	Butyric acid, 2-chloro-4-hydroxy-3,3-dimethyl-, *gamma*-lactone	1	1	1	1	6	.....	.....
800	7121	Butyric acid, 2,3-epoxy-3-phenyl-, allyl ester	1	.....	.....	.....	.....	1	2
801	24767	Butyric acid, 2-ethyl-, allyl ester	1	1	1	1	6	1	6
802	30224	Butyric acid, 2-ethyl-, benzyl ester	1	1	1	1	1	1	5
803	30221	Butyric acid, 2-ethyl-, 2-bromoethyl ester	1	1	1	1	4	1	4
804	30241	Butyric acid, 2-ethyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	2	1	2
805	30457	Butyric acid, 2-ethyl-, 2-butoxyethyl ester	1	1	1	1	6	1	0
806	14392	Butyric acid, 2-ethyl-, butyl ester	1	.....	.....	.....	.....	1	6
807	30243	Butyric acid, 2-ethyl-, *sec*-butyl ester	1	1	1	1	4	1	5
808	30358	Butyric acid, 2-ethyl-, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
809	30359	Butyric acid, 2-ethyl-, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
810	30360	Butyric acid, 2-ethyl-, 2-(*p-tert*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
811	30220	Butyric acid, 2-ethyl-, 2-chloroethyl ester	1	1	1	1	4	2	1
812	30357	Butyric acid, 2-ethyl-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	3	1	6
813	30227	Butyric acid, 2-ethyl-, cyclohexyl ester	1	1	1	1	4	1	3
814	30240	Butyric acid, 2-ethyl-, cyclopentyl ester	1	1	1	1	4	1	6
815	30228	Butyric acid, 2-ethyl-, 2-ethoxyethyl ester	1	1	1	1	0	1	6
816	24766	Butyric acid, 2-ethyl-, ethyl ester	1	1	1	1	6	1	6
817	6313	Butyric acid, 2-ethyl-, ethylene ester	1	.....	.....	.....	.....	1	3
818	30248	Butyric acid, 2-ethyl-, 4-ethyl-1-methyloctyl ester	1	1	1	1	5	1	5
819	30261	Butyric acid, 2-ethyl-, 1-ethylpentyl ester	1	1	1	1	2	1	2
820	30260	Butyric acid, 2-ethyl-, 1-ethylpropyl ester	1	1	1	1	6	1	1
821	30218	Butyric acid, 2-ethyl-, heptyl ester	1	1	1	1	4	1	1
822	30217	Butyric acid, 2-ethyl-, hexyl ester	1	1	1	1	3	1	4
823	30214	Butyric acid, 2-ethyl-, isobutyl ester	1	1	1	1	4	1	5
824	30216	Butyric acid, 2-ethyl-, isopentyl ester	1	1	1	1	3	1	3
825	30213	Butyric acid, 2-ethyl-, isopropyl ester	1	1	1	1	6	1	4
826	30324	Butyric acid, 2-ethyl-, 2-isopropylcyclohexyl ester	1	1	1	1	3	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
827	30242	Butyric acid, 2-ethyl-, 3-methoxybutyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 3	*Class* 1	*Rating* 2
828	30246	Butyric acid, 2-ethyl-, 2-(2-methoxyethoxy)-ethyl ester	1	1	1	1	4	1	1
829	30222	Butyric acid, 2-ethyl-, 2-methoxyethyl ester	1	1	1	1	6	1	2
830	30354	Butyric acid, 2-ethyl-, 2-methoxy-1-methylethyl ester	1	1	1	1	4	1	4
831	30323	Butyric acid, 2-ethyl-, 2-methylcyclohexyl ester	1	1	1	1	2	1	6
832	30356	Butyric acid, 2-ethyl-, 1-methyl- 2-phenoxy-ethyl ester	1	1	1	1	1	1	5
833	26137	Butyric acid, 2-ethyl-, nickel derivative	1	1	1	1	4	.....	.....
834	30258	Butyric acid, 2-ethyl-, octyl ester	1	1	1	1	4	1	3
835	30215	Butyric acid, 2-ethyl-, pentyl ester	1	1	1	1	2	1	1
836	30225	Butyric acid, 2-ethyl-, phenethyl ester	1	1	1	1	2	1	0
837	30245	Butyric acid, 2-ethyl-, 2-phenoxyethyl ester	1	1	1	1	4	1	1
838	30226	Butyric acid, 2-ethyl-, 3-phenylpropyl ester	1	1	1	1	4	1	2
839	30212	Butyric acid, 2-ethyl-, propyl ester	1	1	1	1	5	1	5
840	30244	Butyric acid, 2-ethyl-, tetrahydrofurfuryl ester	1	1	1	1	2	1	1
841	32604	Butyric acid, 2-ethyl-, 10-undecenyl ester	1	1	1	1	6	.....	.....
842	31627	Butyric acid, 3-piperonyl-	1	1	1	2	1	2	2
843	24982-X	Cacodylic acid, sodium salt	1	1	1	.....	.....	2	0
844	21434	*Calendula officinalis* flowers, ethyl ether extractive	1	1	1	1	6	4	1
845	26154	Carbamic acid, bis(2-ethylhexyl)dithio-, nickel derivative	1	1	1	1	4	.....	.....
846	26152	Carbamic acid, dibutyldithio-, nickel derivative	1	1	1	1	3	.....	.....
847	31314	Carbamic acid, diethyl-, 4-bromo-2-formylphenyl ester	1	1	1	2	0	1	3
848	32901	Carbamic acid, diethyl-, 2,4-dimethylbenzyl ester	1	1	1	1	4	.....	.....
849	32899	Carbamic acid, diethyl-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	3	.....	.....
850	32918-X	Carbamic acid, diethyl-, 2-[ethyl(1-propylbutyl)amino]ethyl ester	1	2	1	2	3	.....	.....
851	32942	Carbamic acid, diethyl-, *p*-menth-3-yl ester	1	2	1	2	2	.....	.....
852	32894	Carbamic acid, diethyl-, *m*-methylbenzyl ester	1	1	1	1	6	.....	.....
853	32900	Carbamic acid, diethyl-, 1,3,3-trimethyl-2-norbornyl ester	1	3	1	1	2	.....	.....
854	26153	Carbamic acid, dihexyldithio-, nickel derivative	1	1	1	1	3	.....	.....
855	26151	Carbamic acid, dipropyldithio-, nickel derivative	1	1	1	1	6	.....	.....
856	24962	Carbamic acid, ethylenebis[dithio-, bis(*p*-chlorobenzyl) ester	1	.....	.....	.....	.....	1	4
857	24958	Carbamic acid, ethylenebis[dithio-, bis(3,4-dichlorobenzyl) ester	1	.....	.....	.....	.....	1	2
858	24959	Carbamic acid, ethylenebis[dithio-, bis(2-methylallyl) ester	1	.....	.....	.....	.....	1	2
859	24960	Carbamic acid, ethylenebis[dithio-, diacetonyl ester	1	.....	.....	.....	.....	1	3
860	24961	Carbamic acid, ethylenebis[dithio-, dibenzyl ester	1	.....	.....	.....	.....	1	4
861	26129	Carbamic acid, (2-ethylhexyl)dithio-, nickel derivative	1	1	1	1	3	.....	.....
862	24956	Carbamic acid, 2-hydroxytrimethylene-1,3-bis[dithio-, bis(ethoxycarbonylmethyl) ester	1	.....	.....	.....	.....	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
863	24957	Carbamic acid, 2-hydroxytrimethylene-1,3-bis[dithio-, bis(methoxycarbonylmethyl) ester	1	.....	.....	.....	.....	1	2
864	31471	Carbanilic acid, *N*-butyldithio-, ammonium salt	1	1	1	1	5	1	6
865	31496	Carbanilic acid, *m*-chlorodithio-, ammonium salt	1	1	1	1	3	1	2
866	31495	Carbanilic acid, *o*-chlorodithio-, ammonium salt	1	1	1	1	6	1	4
867	31497	Carbanilic acid, *p*-chlorodithio-, ammonium salt	1	1	1	1	0	1	6
868	31312	Carbanilic acid, dithio-, ammonium salt	1	1	1	1	3	1	2
869	26130	Carbanilic acid, dithio-, nickel derivative	1	1	1	1	2	.....	.....
870	31494	Carbanilic acid, *o*-methoxydithio-, ammonium salt	1	1	1	2	0	1	4
871	31493	Carbanilic acid, *m*-methyldithio-, ammonium salt	1	1	1	4	4	1	3
872	31491	Carbanilic acid, *N*-methyldithio-, ammonium salt	1	1	1	1	2	1	6
873	31492	Carbanilic acid, *o*-methyldithio-, ammonium salt	1	1	1	1	2	1	4
874	31544	Carbanilic acid, *o*-methyldithio-, methyl ester	1	1	1	1	1	2	1
875	31505	Carbanilic acid, *p*-methyldithio-, ammonium salt	1	1	1	1	2	2	1
876	852	Carbanilide, thio-	1	1	1	1	3	1	2
877	18365	Carbonic acid, cyclic ethylene ester	1	1	1	.....	.....	1	4
878	3439	Carvacrol, 3-chloro-	1	1	1	1	2	1	5
879	41025	*Centella erecta* leaves, stems and roots, alcohol extractive	2	1	1	1	5	.....	.....
880	41020	*Centella erecta* leaves, stems and roots, ethyl ether extractive	1	1	1	1	6	.....	.....
881	21714	*Ceratonia siliqua*, ethanol extractive	1	1	1	1	6	1	6
882	30196	Chalcone, 4'-chloro-3,4-methylenedioxy-	1	1	1	1	6	1	5
883	21737	Chalcone, 4'-methoxy-3,4-methylenedioxy-	1	1	1	1	6	1	5
884	17317	Chalcone, 3,4-methylenedioxy-	1	.....	.....	.....	.....	1	4
885	3763	Chalcone, 4'-methyl-3,4-methylenedioxy-	1	1	1	1	6	1	6
886	21438	*Chionanthus virginius* root bark, ethanol extractive	1	1	1	1	6	1	4
887	21375	Chroman, 2-methyl-	1	1	1	1	5	1	6
888	31625	Chrysanthemumamide, *N*-(4,5-methylenedioxy-2-propylphenyl)-	1	1	1	1	6	1	3
889	31665	Chrysanthemumamide, *N*-methyl-*N*-(4,5-methylenedioxy-2-propylphenyl)-	1	1	1	1	4	2	2
890	30102	Chrysanthemumdicarboxylic acid, dimethyl ester	1	1	1	1	5	1	4
891	30971	Chrysanthemumic acid, allyl ester	1	1	1	1	1	1	3
892	30039	Chrysanthemumic acid, 3-allyl-4-ethoxybenzyl ester	1	1	1	1	6	1	2
893	30041	Chrysanthemumic acid, 3-allyl-4-methoxybenzyl ester	1	1	1	1	5	2	1
894	30336	Chrysanthemumic acid, 2-allyl-4,5-methylenedioxyphenyl ester	1	1	1	1	4	1	6
895	21422	Chrysanthemumic acid, *m*-allyloxybenzyl ester	3	4	2	4	3	4	6
896	21427	Chrysanthemumic acid, *o*-allyloxybenzyl ester	2	4	1	4	1	4	6
897	30167	Chrysanthemumic acid, 2-(allyloxy)-3-methoxybenzyl ester	1	1	1	1	5	1	4
898	30230	Chrysanthemumic acid, 3-(allyloxy)-2-naphthylmethyl ester	1	1	1	1	5	1	3
899	20003	Chrysanthemumic acid, *alpha*-allylpiperonyl ester	2	2	1	1	2	1	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
900	20248	Chrysanthemumic acid, benzyl ester	1	1	1	2	1	1	.....
901	30974	Chrysanthemumic acid, 2-bromoethyl ester	1	1	1	1	3	1	1
902	30998	Chrysanthemumic acid, *alpha*-(1-bromoethyl)-6-bromopiperonyl ester	1	1	1	1	4	1	4
903	21195	Chrysanthemumic acid, 6-bromopiperonyl ester	3	4	1	4A	1	4A	2
904	21573	Chrysanthemumic acid, *m-sec*-butoxybenzyl ester	1	2	1	4	1	4	2
905	21556	Chrysanthemumic acid, *p*-butoxybenzyl ester	1	3	1	1	6	1	6
906	19004	Chrysanthemumic acid, 2-(2-butoxyethoxy)-ethyl ester	1	.....	.....	.....	.....	1	4
907	21339	Chrysanthemumic acid, *p*-butoxyphenethyl ester	1	3	2	1	6	1	6
908	30970	Chrysanthemumic acid, butyl ester	1	1	1	1	4	1	3
909	30973	Chrysanthemumic acid, *sec*-butyl ester	1	1	1	1	5	1	3
910	21423	Chrysanthemumic acid, *p-tert*-butylbenzyl ester	1	3	1	1	5	2	3
911	31304	Chrysanthemumic acid, 6-chloro-*alpha*-ethylpiperonyl ester	1	1	1	1	1	4	0
912	31403	Chrysanthemumic acid, 2-(2-chloro-4,5-methylenedioxyphenoxy)ethyl ester	1	1	1	1	5	1	4
913	31305	Chrysanthemumic acid, 6-chloro-*alpha*-methylpiperonyl ester	1	1	1	1	5	1	2
914	21557	Chrysanthemumic acid, 6-chloropiperonyl ester	4	4	1	4A	1	4A	6
915	20144	Chrysanthemumic acid, cinnamyl ester	1	1	1	2	1	1	.....
916	32131	Chrysanthemumic acid, *o*-cumenyl ester	1	1	1	1	4	1	4
917	21285	Chrysanthemumic acid, 3-*p*-cumenyl-1-methylpropyl ester	2	1	1	1	5	1	6
918	32139	Chrysanthemumic acid, 2,6-diisopropylphenyl ester	1	1	1	1	6	1	4
919	21170	Chrysanthemumic acid, 2,4-dimethylbenzyl ester	4	1	1	4A	4	4A	6
920	21563	Chrysanthemumic acid, 2,5-dimethylbenzyl ester	1	1	1	4	3	4	4
921	21825	Chrysanthemumic acid, 3,4-dimethylbenzyl ester	2	3	1	4A	3	4A	4
922	21340	Chrysanthemumic acid, *m*-ethoxybenzyl ester	2	4	3	4	4	4	1
923	21424	Chrysanthemumic acid, *o*-ethoxybenzyl ester	1	3	1	1	4	2	2
924	21171	Chrysanthemumic acid, *p*-ethoxybenzyl ester	1	1	1	1	6	1	6
925	19003	Chrysanthemumic acid, 2-(2-ethoxyethoxy)-ethyl ester	1	.....	.....	.....	.....	1	4
926	31401	Chrysanthemumic acid, 4-ethoxy-4-methyl-3-oxo-1-piperidino-1-cyclopenten-2-yl ester	1	1	1	1	6	1	5
927	30254	Chrysanthemumic acid, 3-ethoxy-2-naphthylmethyl ester	1	1	1	1	5	1	5
928	21341	Chrysanthemumic acid, *p*-ethoxyphenethyl ester	1	3	3	1	5	1	6
929	31012	Chrysanthemumic acid, ethyl ester	1	1	1	1	1	1	0
930	21906	Chrysanthemumic acid, *m*-ethylbenzyl ester	2	2	1	1	5	1	5
931	21558	Chrysanthemumic acid, *p*-ethylbenzyl ester	1	1	3	4A	2	4A	6
932	20272	Chrysanthemumic acid, *alpha*-ethylpiperonyl ester	1	1	1	1	1	1	.....
933	20847	Chrysanthemumic acid, 2-(ethylthio)ethyl ester	1	1	1	1	4	1	5
934	21425	Chrysanthemumic acid, *m*-isobutoxybenzyl ester	1	2	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
935	30972	Chrysanthemumic acid, isobutyl ester	1	1	1	1	4	1	4
936	21426	Chrysanthemumic acid, *m*-isopropoxybenzyl ester	2	4	1	4	1	4	5
937	30969	Chrysanthemumic acid, isopropyl ester	1	1	1	1	4	1	3
938	20337	Chrysanthemumic acid, *alpha*-isopropyl-piperonyl ester	1	1	1	1	2	1	.....
939	20143	Chrysanthemumic acid, *p*-methoxybenzyl ester	1	1	1	1	4	1	.....
940	30298	Chrysanthemumic acid, 3-methoxy-4-(2-methylallyl)benzyl ester	1	1	1	1	4	1	1
941	30239	Chrysanthemumic acid, 4-methoxy-3-(2-methylallyl)benzyl ester	1	1	1	1	5	2	2
942	30299	Chrysanthemumic acid, 3-methoxy-2-naphthylmethyl ester	1	1	1	1	4	1	4
943	21286	Chrysanthemumic acid, 3-(*p*-methoxyphenyl)-1-methylpropyl ester	2	1	1	1	6	1	6
944	30166	Chrysanthemumic acid, 3-methoxy-2-propoxybenzyl ester	1	1	1	1	5	1	6
945	30968	Chrysanthemumic acid, methyl ester	1	1	1	1	4	1	2
946	21564	Chrysanthemumic acid, *m*-(2-methylallyloxy)benzyl ester	1	2	1	4A	1	4A	4
947	30300	Chrysanthemumic acid, *o*-(2-methylallyloxy)benzyl ester	1	1	1	1	1	4	2
948	21572	Chrysanthemumic acid, *m*-methylbenzyl ester	1	1	1	1	5	4	2
949	21559	Chrysanthemumic acid, *o*-methylbenzyl ester	1	1	1	3	1	4A	4
950	21739	Chrysanthemumic acid, (1-methyl-3-cyclohexen-1-yl)methyl ester	1	1	1	1	2	1	6
951	21912	Chrysanthemumic acid, (6-methyl-3-cyclohexen-1-yl)methyl ester	2	1	1	1	6	1	6
952	30671	Chrysanthemumic acid, 4,5-methylenedioxy-2-nitrophenyl ester	1	1	1	1	4	1	5
953	31376	Chrysanthemumic acid, 2-(3,4-methylenedioxyphenoxy)ethyl ester	1	1	1	1	4	1	6
954	21116	Chrysanthemumic acid, 3,4-methylenedioxyphenyl ester	2	1	2	1	6	1	4
955	20244	Chrysanthemumic acid, 1-methyl-3-(3,4-methylenedioxyphenyl)propyl ester	1	1	1	1	5	1	.....
956	20110	Chrysanthemumic acid, *alpha*-methyl-piperonyl ester	1	1	1	2	0	1	.....
957	21886	Chrysanthemumic acid, 6-nitropiperonyl ester	2	1	1	1	4	1	6
958	32149	Chrysanthemumic acid, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	1	6	1	5
959	31402	Chrysanthemumic acid, pentachlorophenyl ester	1	1	1	1	5	1	4
960	30302	Chrysanthemumic acid, *p*-phenylbenzyl ester	1	1	1	1	5	1	6
961	20274	Chrysanthemumic acid, piperonyl ester	3	3	1	4	1	3	.....
962	21342	Chrysanthemumic acid, *m*-propoxybenzyl ester	1	3	2	2	2	1	6
963	21560	Chrysanthemumic acid, *p*-propoxybenzyl ester	1	1	1	1	6	1	6
964	20091	Chrysanthemumic acid, *alpha*-propyl-piperonyl ester	1	1	1	2	1	1	.....
965	30301	Chrysanthemumic acid, (2,4,6-trimethyl-3-cyclohexen-1-yl)methyl ester	1	1	1	1	5	1	4
966	20410	Chrysanthemumic acid, *o*-veratryl ester	2	1	1	1	3	2	.....
967	31428	Chrysanthemumic acid, thiol-, 6-bromo-piperonyl ester	1	1	1	1	4	1	4
968	31506	Chrysanthemumic acid, thiol-, 6-chloro-piperonyl ester	1	1	1	4	2	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
969	31461	Chrysanthemumic acid, thiol-, 2,4-dichlorobenzyl ester	1	1	1	1	6	1	5
970	32142	Chrysanthemumic acid, thiol-, 2,5-dimethylbenzyl ester	1	1	1	1	6	1	6
971	32143	Chrysanthemumic acid, thiol-, 3,4-dimethylbenzyl ester	1	1	1	1	6	1	4
972	19465	Chrysanthemumic acid, thiol-, phenyl ester	1	1	1	1	1	.....	.....
973	41059	*Cicuta maculata* leaves and stems, ethanol extractive	1	1	1	1	4	.....	.....
974	41058	*Cicuta maculata* leaves and stems, ethyl ether extractive	1	1	1	1	6	.....	.....
975	21368	*Cimicifuga racemosa* root, ethanol extractive	1	1	1	1	6	1	6
976	658	Cinnamaldehyde, *alpha*-pentyl-	1	1	1	1	2	1	6
977	24760	Cinnamaldehyde, *alpha*-propyl-	1	1	1	1	4	2	1
978	31929	Cinnamic acid, *p*-hydroxy-, acetate	1	1	1	1	6	1	6
979	31904	Cinnamic acid, *p*-hydroxy-, ethyl ester, acetate	1	1	1	1	4	1	5
980	31901	Cinnamic acid, *p*-hydroxy-, methyl ester	1	1	1	1	4	1	5
981	24786	Cinnamic acid, *beta*-methyl-, ethyl ester	1	1	1	1	4	1	3
982	24785	Cinnamic acid, *beta*-methyl-, methyl ester	2	1	1	1	4	1	2
983	2455	Cinnamyl alcohol, formate	1	1	1	1	4	1	0
984	21317	*Citrullus vulgaris* seeds, ethyl ether extractive	2	1	2	1	6	1	6
985	20171	Coumarin, oxime	1	2	1	1	6	1	5
986	26185	*m*-Cresol, *alpha,alpha,alpha*-trifluoro-	1	1	1	1	2	2	2
987	26208	*m*-Cresol, *alpha,alpha,alpha*-trifluoro-4-nitro-	1	2	2	1	4	2	4
988	26294	*o*-Cresol, 6-*tert-butyl*-	1	1	1	2	0	.....	.....
989	101	*o*-Cresol, 4,6-dibromo-	1	1	1	1	4	1	2
990	26131	*o*-Cresol, *alpha,alpha'*-(propylenedinitrilo)-di-, nickel derivative	1	1	1	1	4	.....	.....
991	15025	2,3-Cresotic acid	1	1	1	1	6	1	3
992	25424	2,4-Cresotic acid	1	1	1	1	5	.....	.....
993	25422	2,5-Cresotic acid	1	1	1	1	2	.....	.....
994	31538	Crotonamide, *N,N*-dibutyl-3-methyl-	1	1	1	1	4	1	6
995	31537	Crotonamide, *N,N*-diisopropyl-3-methyl-	1	1	1	1	3	1	6
996	31534	Crotonamide, 3-methyl-*N,N*-dipropyl-	1	1	1	1	4	1	6
997	32699	Crotonic acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	2	.....	.....
998	32064	Crotonic acid, 2,3-dibromopropyl ester	1	1	1	1	3	1	4
999	21543	Crotonic acid, heptyl ester	1	1	1	2	0	1	6
1000	21191	Crotonic acid, (tetrahydropyran-2-yl)-methyl ester	4	1	1	1	6	1	6
1001	25333	Crotonic acid, vinyl ester	1	1	1	.....	.....	1	4
1002	21316	*Cucurbita pepo* seeds, ethyl ether extractive	1	3	1	1	5	1	6
1003	17789	Cyanamide, diallyl-	1	1	1	2	0	.....	.....
1004	26279	1,3-Cyclobutanediol, 2,2,4,4-tetramethyl-	1	1	1	1	5	.....	.....
1005	32404	1,3-Cyclobutanediol, 2,2,4,4,-tetramethyl-, *cis-trans*-, diacetate	1	1	1	1	3	1	4
1006	32410	1,3-Cyclobutanediol, 2,2,4,4,-tetramethyl-, *cis-trans*-, diformate	1	1	1	1	6	1	5
1007	15918	1,3-Cyclobutanedione, tetramethyl-	1	1	1	1	5	.....	.....
1008	24743	Cyclohexanecarboxaldehyde, 1-methyl-4(and 3)-(1-methylpentyl)-	1	1	1	1	4	1	3
1009	31658	Cyclohexanecarboxamide, 4(or 5)-chloro-*N,N*-diethyl-2-methyl-	1	1	1	1	5	1	5
1010	31660	Cyclohexanecarboxamide, 4(or 5)-chloro-2-methyl-*N,N*-dipropyl-	1	1	1	1	4	1	5
1011	31499	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, butyl ester	1	1	1	1	3	1	5
1012	31324	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, *sec*-butyl ester	1	1	1	1	4	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1013	31500	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, cyclohexyl ester	1	1	1	1	4	3	6
1014	31322	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, ethyl ester	1	1	1	1	4	1	5
1015	31323	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, isopropyl ester	1	1	1	1	3	1	6
1016	31487	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, methyl ester	1	1	1	4	1	1	4
1017	31489	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, propyl ester	1	1	1	1	3	1	4
1018	31800	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-bromoethyl ester	1	1	1	1	4	2	3
1019	31803	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	3	1	4
1020	31802	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-butoxyethyl ester	1	1	1	1	4	1	5
1021	31663	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, cyclohexyl ester	1	1	1	1	6	1	1
1022	31806	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-ethylpentyl ester	1	1	1	1	3	1	4
1023	31950	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, heptyl ester	1	1	1	1	4	1	6
1024	31805	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, hexyl ester	1	1	1	1	4	1	4
1025	21706	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isopropyl ester	1	1	1	2	2	1	5
1026	31804	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 3-methoxybutyl ester	1	1	1	1	4	1	4
1027	31801	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methoxyethyl ester	1	1	1	1	6	1	3
1028	31952	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-methylheptyl ester	1	1	1	1	6	1	5
1029	31951	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, octyl ester	1	1	1	1	4	1	5
1030	31953	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 3-phenylpropyl ester	1	1	1	1	5	1	6
1031	31662	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-propynyl ester	1	1	1	1	6	1	4
1032	31956	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, tetrahydrofurfuryl ester	1	1	1	1	4	1	5
1033	31957	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, *p*-tolyl ester	1	1	1	1	4	1	5
1034	26330	Cyclohexanecarboxylic acid, 3-formyl-, ethyl ester	1	1	1	1	4	.....	.....
1035	6498	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-butoxyethyl ester	1	1	1	1	4	1	6
1036	20494	Cyclohexanecarboxylic acid, 1-hydroxy-, hexyl ester	1	1	1	1	6	1	2
1037	21681	Cyclohexanecarboxylic acid, 2-methyl-	1	1	1	1	5	1	6
1038	21701	Cyclohexanecarboxylic acid, 2-methyl-, benzyl ester	1	1	1	1	3	1	6
1039	21628	Cyclohexanecarboxylic acid, 2-methyl-, butyl ester	2	1	1	1	5	1	3
1040	21687	Cyclohexanecarboxylic acid, 2-methyl-, 2-chloroethyl ester	1	1	1	2	1	1	5
1041	21683	Cyclohexanecarboxylic acid, 2-methyl-, cyclohexyl ester	1	1	1	1	5	1	6
1042	21682	Cyclohexanecarboxylic acid, 2-methyl-, cyclopentyl ester	1	1	1	2	3	1	4
1043	21692	Cyclohexanecarboxylic acid, 2-methyl-, heptyl ester	1	1	1	1	6	1	5
1044	21684	Cyclohexanecarboxylic acid, 2-methyl-, isobutyl ester	1	2	1	2	3	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1045	21686	Cyclohexanecarboxylic acid, 2-methyl-, isopentyl ester	1	1	1	2	1	1	5
1046	21629	Cyclohexanecarboxylic acid, 2-methyl-, isopropyl ester	1	1	1	1	6	1	6
1047	21691	Cyclohexanecarboxylic acid, 2-methyl-, 2-methoxyethyl ester	1	1	1	1	1	1	6
1048	21685	Cyclohexanecarboxylic acid, 2-methyl-, pentyl ester	1	1	1	1	4	1	5
1049	21568	Cyclohexanecarboxylic acid, 2-methyl-, propyl ester	1	1	1	2	4	1	4
1050	26300	1,4-Cyclohexanedimethanol, *cis-trans-*	1	1	1	1	6	.....	.....
1051	32070	1,4-Cyclohexanedimethanol, *cis-trans-*, diacetate	1	1	1	1	4	1	6
1052	32085	1,4-Cyclohexanedimethanol, *cis-*, diformate	1	1	1	1	4	1	5
1053	32086	1,4-Cyclohexanedimethanol, *trans-*, diformate	1	1	1	1	4	1	6
1054	24748	1,2-Cyclohexanediol, 4-isopropenyl-1-methyl-, 2-acetate	1	1	1	1	5	1	6
1055	19939	1,3-Cyclohexanedione, 5,5-dimethyl-	1	.....	.....	.....	.....	1	6
1056	23811	Cyclohexanepropionic acid, benzyl ester	1	1	1	1	6	1	6
1057	23703	Cyclohexanepropionic acid, 2-bromoethyl ester	3	1	1	1	3	1	4
1058	23808	Cyclohexanepropionic acid, 2-butoxyethyl ester	1	1	1	1	5	1	6
1059	23702	Cyclohexanepropionic acid, 2-chloroethyl ester	2	1	1	2	3	3	2
1060	23807	Cyclohexanepropionic acid, cyclohexyl ester	2	1	1	1	6	1	6
1061	32700	Cyclohexanepropionic acid, 4-cyclohexyl-cyclohexyl ester	1	1	2	1	6	.....	.....
1062	32701	Cyclohexanepropionic acid, 4-isopropyl-cyclohexyl ester	1	1	1	1	5	.....	.....
1063	23806	Cyclohexanepropionic acid, 2-ethoxyethyl ester	2	1	1	1	6	1	6
1064	23812	Cyclohexanepropionic acid, 4-ethyl-1-methyloctyl ester	2	1	1	1	6	1	6
1065	23701	Cyclohexanepropionic acid, 1-ethylpropyl ester	1	1	1	1	6	1	6
1066	23805	Cyclohexanepropionic acid, hexyl ester	1	1	1	1	5	1	6
1067	23700	Cyclohexanepropionic acid, isopentyl ester	1	1	1	1	4	1	6
1068	23699	Cyclohexanepropionic acid, pentyl ester	2	1	1	1	6	1	6
1069	23813	Cyclohexanepropionic acid, 2-phenoxyethyl ester	1	1	1	1	6	1	4
1070	23809	Cyclohexanepropionic acid, 2-propynyl ester	1	1	1	4	3	2	0
1071	23810	Cyclohexanepropionic acid, tetrahydrofurfuryl ester	1	1	1	1	6	1	6
1072	30436	Cyclohexanol, formate	1	1	1	1	5	1	5
1073	30518	Cyclohexanol, 4-*sec*-butyl-, benzoate	1	1	1	1	5	1	5
1074	30599	Cyclohexanol, 4-*tert*-butyl-, benzoate	1	1	1	1	5	1	6
1075	30461	Cyclohexanol, 4-*tert*-butyl-, formate	1	1	1	1	4	1	0
1076	24480	Cyclohexanol, 4-*tert*-butyl-1-ethynyl-	1	2	1	1	1	1	6
1077	30462	Cyclohexanol, 2-cyclohexyl-, formate	1	1	1	1	4	1	2
1078	30463	Cyclohexanol, 4-cyclohexyl-, formate	1	1	1	1	5	1	0
1079	30441	Cyclohexanol, 2-methyl-, formate	1	1	1	1	9	1	3
1080	20451	Cyclohexanol, 1-nitromethyl-	2	1	1	1	6	1	5
1081	13205	Cyclohexanol, 1-phenyl-	1	.....	.....	.....	.....	1	1
1082	8499	Cyclohexene, 4-vinyl-	2	1	1	2	6	.....	.....
1083	21661	3-Cyclohexene-1-carboxaldehyde	1	1	1	1	6	1	6
1084	24742	3-Cyclohexene-1-carboxaldehyde, 1-methyl-4(and 3)-(4-methyl-3-pentenyl)-	1	1	1	1	4	1	4
1085	24746	3-Cyclohexene-1-carboxaldehyde, 1,4,5-trimethyl-2-(2-methyl-1-propenyl)- and 3-Cyclohexene-1-carboxaldehyde, 1,2,3-trimethyl-5-(2-methyl-1-propenyl)-	1	1	1	1	6	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1086	21740	3-Cyclohexene-1-carboxamide, *N,N*-diethyl-1-methyl-	1	1	1	1	4	1	5
1087	6535	2-Cyclohexene-1-carboxylic acid, 2,6-dimethyl-4-oxo-, ethyl ester	1	1	1	3	5	1	4
1088	24871	3-Cyclohexene-1-carboxylic acid, 6-methoxy-, ethyl ester	2	1	1	1	5	1	6
1089	24972	3-Cyclohexene-1-carboxylic acid, 1-methyl-, *sec*-butyl ester	1	1	1	.....	.....	1	4
1090	21742	3-Cyclohexene-1-carboxylic acid, 1-methyl-, isopropyl ester	1	1	1	1	2	1	6
1091	20221	3-Cyclohexene-1-carboxylic acid, 6-methyl-	1	1	1	1	5	1	5
1092	21477	3-Cyclohexene-1-carboxylic acid, 6-methyl-, allyl ester	1	1	1	3	6	3	4
1093	21343	3-Cyclohexene-1-carboxylic acid, 6-methyl-, benzyl ester	1	2	1	1	6	1	6
1094	21693	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-bromoethyl ester	1	1	1	2	0	1	3
1095	21354	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-butoxyethyl ester	1	2	1	1	6	1	6
1096	21344	3-Cyclohexene-1-carboxylic acid, 6-methyl-, butyl ester	1	1	1	1	6	1	6
1097	21486	3-Cyclohexene-1-carboxylic acid, 6-methyl-, *sec*-butyl ester	1	1	1	1	4	1	5
1098	21611	3-Cyclohexene-1-carboxylic acid, 6-methyl-, *tert*-butyl ester	1	1	1	1	4	1	5
1099	21348	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-chloroethyl ester	1	1	1	1	5	1	5
1100	21613	3-Cyclohexene-1-carboxylic acid, 6-methyl-, cyclopentyl ester	1	1	1	1	5	2	5
1101	21841	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1,3-dimethylbutyl ester	1	1	1	1	1	1	4
1102	21480	3-Cyclohexene-1-carboxylic acid, 6-methyl-, ethyl ester	1	1	1	1	6	1	5
1103	21488	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylbutyl ester	1	1	1	1	6	1	4
1104	21800	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylhexyl ester	1	1	1	1	4	1	6
1105	21801	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-ethylpentyl ester	1	1	1	1	1	1	3
1106	21498	3-Cyclohexene-1-carboxylic acid, 6-methyl-, heptyl ester	1	1	1	1	6	1	6
1107	21487	3-Cyclohexene-1-carboxylic acid, 6-methyl-, hexyl ester	1	1	1	1	6	1	6
1108	21485	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isobutyl ester	1	1	1	1	5	1	3
1109	21842	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-isobutyl-3-methylbutyl ester	1	1	1	1	4	1	4
1110	21495	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopentyl ester	1	1	1	1	6	2	3
1111	21478	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopropyl ester	1	1	1	1	6	1	6
1112	21350	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methoxyethyl ester	1	1	1	1	5	1	6
1113	21479	3-Cyclohexene-1-carboxylic acid, 6-methyl-, methyl ester	1	1	1	1	6	1	6
1114	21846	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylcyclohexyl ester	1	1	1	1	1	1	1
1115	21844	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-methylheptyl ester	1	1	1	1	2	1	5
1116	21497	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylpentyl ester	1	1	1	1	6	1	6
1117	21481	3-Cyclohexene-1-carboxylic acid, 6-methyl-, pentyl ester	1	1	1	1	6	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
1118	21614	3-Cyclohexene-1-carboxylic acid, 6-methyl-, *tert*-pentyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 6	*Class* 1	*Rating* 4
1119	21848	3-Cyclohexene-1-carboxylic acid, 6-methyl-, phenethyl ester	1	1	1	1	2	1	4
1120	21345	3-Cyclohexene-1-carboxylic acid, 6-methyl-, propyl ester	1	1	1	1	6	1	6
1121	21484	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-propynyl ester	1	1	1	3	4	4	6
1122	21843	3-Cyclohexene-1-carboxylic acid, 6-methyl-, tetrahydrofurfuryl ester	1	1	1	1	6	1	1
1123	25383	4-Cyclohexene-1,2-dicarboximide	1	1	1	1	6	.....	.....
1124	21048	4-Cyclohexene-1,2-dicarboximide, *N*-(*p*-bromophenyl)-	1	1	1	1	6	1	6
1125	21046	4-Cyclohexene-1,2-dicarboximide, *N*-(*o*-chlorophenyl)-, *cis*-	1	1	1	1	6	1	6
1126	21047	4-Cyclohexene-1,2-dicarboximide, *N*-(*p*-chlorophenyl)-, *cis*-	2	1	1	1	6	1	6
1127	21130	4-Cyclohexene-1,2-dicarboximide, *N*-(2,4-dichlorophenyl)-, *cis*-	1	1	1	1	6	1	5
1128	21131	4-Cyclohexene-1,2-dicarboximide, *N*-(2,5-dichlorophenyl)-, *cis*-	3	1	1	1	4	1	6
1129	21140	4-Cyclohexene-1,2-dicarboximide, *N*-ethyl-, *cis*-	1	1	1	1	5	1	6
1130	21050	4-Cyclohexene-1,2-dicarboximide, *N*-heptyl-, *cis*-	2	1	1	1	6	1	6
1131	21051	4-Cyclohexene-1,2-dicarboximide, *N*-(*o*-methoxyphenyl)-, *cis*-	1	1	1	1	6	1	6
1132	21129	4-Cyclohexene-1,2-dicarboximide, *N*-(*p*-methoxyphenyl)-, *cis*-	1	1	1	1	6	1	6
1133	21049	4-Cyclohexene-1,2-dicarboximide, *N*-(1-methylpentyl)-, *cis*-	1	1	1	1	6	1	4
1134	21044	4-Cyclohexene-1,2-dicarboximide, *N*-*m*-tolyl-, *cis*-	1	1	1	1	6	1	6
1135	21043	4-Cyclohexene-1,2-dicarboximide, *N*-*o*-tolyl-, *cis*-	2	1	1	1	6	1	6
1136	21045	4-Cyclohexene-1,2-dicarboximide, *N*-*p*-tolyl-, *cis*-	1	1	1	1	5	1	6
1137	21672	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, bis(2-chloroethyl) ester	1	1	1	1	4	1	6
1138	22280	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diallyl ester	1	1	1	1	4	1	5
1139	21670	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dibutyl ester	1	1	1	1	6	1	5
1140	8986	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diethyl ester	1	1	1	1	5	1	5
1141	21673	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diisobutyl ester	1	1	1	1	6	1	6
1142	3898	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diisopropyl ester	1	2	1	1	4	1	5
1143	3408	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dimethyl ester	1	1	1	1	5	1	6
1144	21669	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dipropyl ester	1	1	1	1	6	1	5
1145	21674	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, di-2-propynyl ester	1	2	1	1	2	1	2
1146	21729	2-Cyclohexene-1-hexanoic acid, allyl ester	1	1	1	1	2	1	4
1147	30662	2-Cyclohexene-1-hexanoic acid, 2-bromoethyl ester	1	1	1	1	2	1	3
1148	30667	2-Cyclohexene-1-hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	2	1	5
1149	30666	2-Cyclohexene-1-hexanoic acid, 2-butoxyethyl ester	1	1	1	1	5	1	6
1150	21708	2-Cyclohexene-1-hexanoic acid, butyl ester	1	1	1	1	4	1	5
1151	30661	2-Cyclohexene-1-hexanoic acid, *sec*-butyl ester	1	1	1	1	5	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1152	21730	2-Cyclohexene-1-hexanoic acid, 2-chloroethyl ester	1	1	1	1	2	1	5
1153	21709	2-Cyclohexene-1-hexanoic acid, ethyl ester	1	1	1	1	2	1	5
1154	30665	2-Cyclohexene-1-hexanoic acid, 1-ethylpropyl ester	1	1	1	1	4	1	6
1155	21710	2-Cyclohexene-1-hexanoic acid, isobutyl ester	1	1	1	1	3	1	6
1156	21703	2-Cyclohexene-1-hexanoic acid, isopropyl ester	1	1	1	1	4	1	5
1157	21731	2-Cyclohexene-1-hexanoic acid, 2-methoxyethyl ester	1	1	1	1	5	1	5
1158	21707	2-Cyclohexene-1-hexanoic acid, methyl ester	1	1	1	1	4	1	5
1159	30664	2-Cyclohexene-1-hexanoic acid, pentyl ester	1	1	1	1	4	1	5
1160	21702	2-Cyclohexene-1-hexanoic acid, propyl ester	1	1	1	1	4	1	5
1161	21734	2-Cyclohexene-1-hexanoic acid, 2-propynyl ester	1	2	1	4	1	4	1
1162	24787	3-Cyclohexene-1-methanol	1	1	1	1	5	1	6
1163	21743	3-Cyclohexene-1-methanol, 1-methyl-	1	1	1	1	5	1	6
1164	21738	3-Cyclohexene-1-methanol, 1-methyl-, benzoate	1	1	1	1	6	1	6
1165	21913	3-Cyclohexene-1-methanol, 6-methyl-	2	1	1	1	5	1	6
1166	21914	3-Cyclohexene-1-methanol, 6-methyl-, acetate	3	1	1	1	6	1	6
1167	30085	3-Cyclohexene-1-methanol, *alpha,alpha*,6-trimethyl-	1	1	1	1	5	1	5
1168	30099	3-Cyclohexene-1-methanol, *alpha,alpha*,6-trimethyl-, acetate	1	1	1	1	5	1	4
1169	24788	3-Cyclohexene-1-methanol, 2,4,6-trimethyl-	1	1	1	1	6	1	4
1170	21772	2-Cyclohexen-1-one, 3,5-dimethyl-	1	1	2	2	0	1	5
1171	15558	Cyclopentadiene, hexachloro-	1	1	1	.....	.....	2	0
1172	25729	Cyclopentadiene, hexachloro-, reaction product with chlorosulfonic acid	2	1	1	4	2	.....	.....
1173	23448	Cyclopentane, bromo-	1	1	1	1	6	1	6
1174	21745	Cyclopentanecarboxylic acid, 1-hydroxy-, allyl ester	1	1	1	1	4	2	1
1175	21750	Cyclopentanecarboxylic acid, 1-hydroxy-, benzyl ester	1	1	1	1	2	1	6
1176	21736	Cyclopentanecarboxylic acid, 1-hydroxy-, butyl ester	1	1	1	1	6	1	6
1177	21746	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-chloroethyl ester	1	1	1	1	6	2	2
1178	6138	Cyclopentanecarboxylic acid, 1-hydroxy-, cyclohexyl ester	1	1	1	1	4	1	6
1179	6139	Cyclopentanecarboxylic acid, 1-hydroxy-, cyclopentyl ester	1	1	1	1	4	1	6
1180	21748	Cyclopentanecarboxylic acid, 1-hydroxy-, ethyl ester	1	1	1	1	6	1	6
1181	21751	Cyclopentanecarboxylic acid, 1-hydroxy-, heptyl ester	1	1	1	1	5	1	6
1182	21744	Cyclopentanecarboxylic acid, 1-hydroxy-, isobutyl ester	1	1	1	1	4	1	6
1183	21735	Cyclopentanecarboxylic acid, 1-hydroxy-, isopropyl ester	1	1	1	1	5	1	6
1184	21747	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-methoxyethyl ester	1	1	1	1	6	1	6
1185	21749	Cyclopentanecarboxylic acid, 1-hydroxy-, methyl ester	1	1	1	1	6	1	6
1186	6141	Cyclopentanecarboxylic acid, 1-hydroxy-, propyl ester	1	1	1	1	4	1	6
1187	21754	Cyclopentanecarboxylic acid, 2-oxo-, allyl ester	1	1	1	1	3	2	1

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1188	21756	Cyclopentanecarboxylic acid, 2-oxo-, 2-chloroethyl ester	1	1	1	1	2	1	3
1189	6472	Cyclopentanecarboxylic acid, 2-oxo-, cyclopentyl ester	1	1	1	1	4	1	0
1190	21753	Cyclopentanecarboxylic acid, 2-oxo-, isobutyl ester	1	1	1	1	4	1	6
1191	21752	Cyclopentanecarboxylic acid, 2-oxo-, pentyl ester	1	1	1	1	5	1	6
1192	32212	1,2-Cyclopentanediol, *trans*-, diacetate	1	1	1	1	4	1	4
1193	32241	1,2-Cyclopentanediol, *trans*-, diformate	1	1	1	1	6	1	3
1194	25264	Cyclopentanol	1	1	1	1	5	1	6
1195	25452	Cyclopentanol, x-cyclopentyl-	1	1	1	1	3	.....	.....
1196	31318	2-Cyclopenten-1-one, 2,5-dihydroxy-5-methyl-3-morpholino-	1	1	1	1	4	1	4
1197	31317	2-Cyclopenten-1-one, 2,5-dihydroxy-5-methyl-3-piperdino-	1	1	1	1	5	1	4
1198	31459	Cyclopropane, 1-(bromomethyl)-2,2-dimethyl-3-(2-methylpropenyl)-	1	1	1	1	6	1	6
1199	21574	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, 2,4-dimethylbenzyl ester	1	2	1	4	4	4	2
1200	21531	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, *p*-ethoxybenzyl ester	1	2	1	1	6	1	6
1201	21466	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, ethyl ester	1	2	1	1	5	2	4
1202	21499	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, piperonyl ester	1	1	1	4	3	4	2
1203	21500	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, *m*-propoxybenzyl ester	1	1	1	1	4	2	4
1204	21054	Cyclopropanecarboxylic acid, 2-methyl-3-(3,4-methylenedioxyphenyl)-, methyl ester	1	1	1	1	5	1	3
1205	21055	Cyclopropanecarboxylic acid, 2-piperonyl-, methyl ester	1	1	1	1	6	1	5
1206	20836	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, *cis-trans*-	1	1	1	1	3	1	3
1207	31384	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, acetate	1	1	1	1	5	1	5
1208	31386	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, benzoate	1	1	1	1	3	1	4
1209	31413	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, formate	1	1	1	1	4	1	6
1210	41053	*Cyrilla racemiflora* leaves and stems, ethanol extractive	1	1	1	1	5	.....	.....
1211	41052	*Cyrilla racemiflora* leaves and stems, ethyl ether extractive	1	1	1	1	5	.....	.....
1212	13226	1,9-Decadiene-4,7-diol, 4-allyl-7-methyl-	1	.....	.....	.....	.....	1	4
1213	12135	4,6-Decanediol, 5-ethyl-	1	.....	.....	.....	.....	1	4
1214	30443	1-Decanol, formate	1	1	1	1	4	1	0
1215	24974	4-Decanol, 4,7-dimethyl-	1	1	1	.....	.....	1	4
1216	30499	4-Decanol, 7-ethyl-2-methyl-, formate	1	1	1	1	6	1	3
1217	24975	4-Decanol, 2,4,7,9-tetramethyl-	1	1	1	.....	.....	1	5
1218	24891	Diallylamine, 2,2'-dimethyl-	2	1	1	1	6	1	6
1219	24809	1,4-Diazabicyclo[2.2.2]octane	1	1	1	1	6	1	6
1220	26331	Dibutyltin dilaurate	1	1	1	1	5	.....	.....
1221	26329	Diisobutylene oxide (mixed isomers)	1	1	1	1	6	.....	.....
1222	14403	*m*-Dioxane, 2-benzyl-	1	1	1	1	1	1	1
1223	31187	*m*-Dioxane, 2-benzyl-5-butyl-5-ethyl-	1	1	1	1	1	1	2
1224	32010	*m*-Dioxane, 2-benzyl-5,5-diethyl-	1	1	1	1	3	1	6
1225	31272	*m*-Dioxane, 2-benzyl-5,5-diethyl-2-methyl-	1	1	1	1	1	1	4
1226	31191	*m*-Dioxane, 2-benzyl-4,6-dimethyl-	1	1	1	1	1	1	0
1227	31163	*m*-Dioxane, 2-benzyl-5,5-dimethyl-	1	1	1	1	1	1	0
1228	32012	*m*-Dioxane, 2-benzyl-5-ethyl-5-methyl-	1	1	1	2	3	1	5
1229	31224	*m*-Dioxane, 2-benzyl-5-ethyl-5-nitro-	1	1	1	1	1	1	2
1230	14054	*m*-Dioxane, 2-benzyl-5-ethyl-4-propyl-	2	1	1	1	4	1	4
1231	31220	*m*-Dioxane, 2-benzyl-4-isopropyl-5,5-dimethyl-	1	1	1	1	1	1	0

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1232	31231	*m*-Dioxane, 2-benzyl-4-isopropyl-2,5,5-trimethyl-	1	1	1	1	1	1	0
1233	31159	*m*-Dioxane, 2-benzyl-4-methyl-	1	1	1	1	0	1	0
1234	31359	*m*-Dioxane, 2-benzyl-5-methyl-5-nitro-	1	1	1	1	4	1	4
1235	32013	*m*-Dioxane, 2-benzyl-5-methyl-5-propyl-	1	2	1	2	2	1	4
1236	31533	*m*-Dioxane, 2-benzyl-2,4,5,5-tetramethyl-	1	1	1	1	5	1	5
1237	9321	*m*-Dioxane, 2-benzyl-4,4,6-trimethyl-	1	1	1	1	1	1	0
1238	32011	*m*-Dioxane, 2-benzyl-4,5,5-trimethyl-	1	1	1	2	2	1	5
1239	31426	*m*-Dioxane, 2-(2-bromo-4,5-methylenedioxyphenyl)-	1	1	1	1	3	1	6
1240	31393	*m*-Dioxane, 2-(2-bromo-4,5-methylenedioxyphenyl)-5,5-dimethyl-	1	1	1	1	5	1	2
1241	31390	*m*-Dioxane, 2-(2-bromo-4,5-methylenedioxyphenyl)-5-ethyl-4-propyl-	1	1	1	1	3	1	4
1242	31381	*m*-Dioxane, 2-(2-bromo-4,5-methylenedioxyphenyl)-4-methyl-	1	1	1	1	4	1	0
1243	32791	*m*-Dioxane, 2-(3-butenyl)-2,4-dimethyl-	1	1	1	1	6	.....	.....
1244	32795	*m*-Dioxane, 2-(3-butenyl)-5-ethyl-2,5-dimethyl-	1	1	1	1	4	.....	.....
1245	32794	*m*-Dioxane, 2-(3-butenyl)-2,4,5,5-tetramethyl-	1	1	1	1	4	.....	.....
1246	32792	*m*-Dioxane, 2-(3-butenyl)-2,5,5-trimethyl-	1	1	1	1	4	.....	.....
1247	31296	*m*-Dioxane, 2-butyl-	1	1	1	1	6	1	6
1248	31156	*m*-Dioxane, 5-butyl-2-(*o*-chlorophenyl)-5-ethyl-	1	1	1	1	3	1	6
1249	31525	*m*-Dioxane, 5-butyl-2-(*p*-chlorophenyl)-5-ethyl-	1	1	1	1	4	1	3
1250	30910	*m*-Dioxane, 5-butyl-2-*p*-cumenyl-5-ethyl-	1	1	1	1	3	1	1
1251	32507	*m*-Dioxane, 5-butyl-2-(3-cyclohexen-1-yl)-5-ethyl-	1	1	1	1	5	1	6
1252	30658	*m*-Dioxane, 5-butyl-2-(9-decenyl)-5-ethyl-	1	1	1	1	4	1	5
1253	30697	*m*-Dioxane, 5-butyl-2-decyl-5-ethyl-	1	1	1	1	4	1	5
1254	31285	*m*-Dioxane, 5-butyl-2,5-diethyl-2-phenyl-	1	1	1	1	4	1	5
1255	32252	*m*-Dioxane, 5-butyl-5-ethyl-	1	1	1	1	5	1	4
1256	31807	*m*-Dioxane, 5-butyl-5-ethyl-2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	5	1	4
1257	32197	*m*-Dioxane, 5-butyl-5-ethyl-2-(*o*-methoxyphenyl)-	1	1	1	1	5	1	4
1258	32565	*m*-Dioxane, 5-butyl-5-ethyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	3	.....	.....
1259	31152	*m*-Dioxane, 5-butyl-5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	3
1260	32435	*m*-Dioxane, 5-butyl-5-ethyl-2-methyl-2-pentyl-	1	1	1	1	6	1	4
1261	31967	*m*-Dioxane, 5-butyl-5-ethyl-2-nonyl-	1	1	1	1	4	1	6
1262	30641	*m*-Dioxane, 5-butyl-5-ethyl-2-octyl-	1	1	1	1	6	1	4
1263	30376	*m*-Dioxane, 5-butyl-5-ethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	6
1264	7061	*m*-Dioxane, 5-butyl-5-ethyl-2-propenyl-	1	.....	.....	.....	.....	1	3
1265	31203	*m*-Dioxane, 5-butyl-5-ethyl-2-*p*-tolyl-	1	1	1	1	3	1	3
1266	31486	*m*-Dioxane, 2-(2-chloro-4,5-methylenedioxyphenyl)-5-ethyl-4-propyl-	1	1	1	1	6	1	4
1267	31365	*m*-Dioxane, 2-(2-chloro-4,5-methylenedioxyphenyl)-4-methyl-	1	1	1	1	3	1	0
1268	31661	*m*-Dioxane, 2-(2-chloro-4,5-methylenedioxyphenyl)-4,4,6-trimethyl-	1	1	1	1	3	2	2
1269	31687	*m*-Dioxane, 2-(chloromethyl)-5-ethyl-5-methyl-	1	1	1	1	5	1	4
1270	22876	*m*-Dioxane, 2-(chloromethyl)-5-ethyl-4-propyl-	1	1	1	1	5	1	5
1271	30250	*m*-Dioxane, 4-(chloromethyl)-4-methyl-	1	1	1	1	5	1	4
1272	31531	*m*-Dioxane, 2-(chloromethyl)-4,4,6-trimethyl	1	1	1	1	6	1	4
1273	31530	*m*-Dioxane, 2-(chloromethyl)-4,5,5-trimethyl-	1	1	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1274	31280	*m*-Dioxane, 2-(*o*-chlorophenyl)-5,5-diethyl-	1	1	1	1	2	1	3
1275	31420	*m*-Dioxane, 2-(*p*-chlorophenyl)-5,5-diethyl-	1	1	1	1	3	1	5
1276	32800	*m*-Dioxane, 2-(*p*-chlorophenyl)-2,4-dimethyl-	1	1	1	1	4		
1277	32804	*m*-Dioxane, 2-(*p*-chlorophenyl)-2,5-dimethyl-5-propyl-	1	1	1	1	4		
1278	32669	*m*-Dioxane, 2-(*o*-chlorophenyl)-5-ethyl-5-methyl-	1	1	1	1	4		
1279	31676	*m*-Dioxane, 2-(*p*-chlorophenyl)-5-ethyl-5-methyl-	1	1	1	1	4	1	4
1280	32801	*m*-Dioxane, 2-(*p*-chlorophenyl)-5-ethyl-2-methyl-4-propyl-	1	1	1	1	4		
1281	32670	*m*-Dioxane, 2-(*o*-chlorophenyl)-5-methyl-5-propyl-	1	1	1	1	4		
1282	32673	*m*-Dioxane, 2-(*p*-chlorophenyl)-5-methyl-5-propyl-	1	1	1	1	6		
1283	32803	*m*-Dioxane, 2-(*p*-chlorophenyl)-2,4,5,5-tetramethyl-	1	1	1	1	3		
1284	31520	*m*-Dioxane, 2-(*o*-chlorophenyl)-4,5,5-trimethyl-	1	1	1	1	4	1	6
1285	31521	*m*-Dioxane, 2-(*p*-chlorophenyl)-4,5,5-trimethyl-	1	1	1	1	2	1	3
1286	30908	*m*-Dioxane, 2-*p*-cumenyl-5,5-dimethyl-	1	1	1	1	2	1	3
1287	30933	*m*-Dioxane, 2-*p*-cumenyl-5-ethyl-5-nitro-	1	1	1	1	4	1	4
1288	30909	*m*-Dioxane, 2-*p*-cumenyl-5-ethyl-4-propyl-	1	1	1	1	4	1	2
1289	32422	*m*-Dioxane, 2-*p*-cumenyl-4-isopropyl-5,5-dimethyl-	1	2	1	1	5	1	4
1290	30384	*m*-Dioxane, 2-*p*-cumenyl-4-methyl-	1	1	1	1	3	1	1
1291	32425	*m*-Dioxane, 2-*p*-cumenyl-5-methyl-5-nitro-	1	1	1	1	6	1	4
1292	32419	*m*-Dioxane, 2-*p*-cumenyl-5-methyl-5-propyl-	1	2	2	1	4	1	4
1293	32413	*m*-Dioxane, 2-*p*-cumenyl-4,4,6-trimethyl-	1	1	1	1	3	2	4
1294	32525	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-	1	1	1	1	4	1	3
1295	32522	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5,5-diethyl-	1	1	1	1	4	1	3
1296	32334	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5,5-dimethyl-	1	1	1	1	6	2	3
1297	32521	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5-ethyl-5-methyl-	1	1	1	1	4	1	5
1298	32526	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5-ethyl-5-nitro-	1	1	1	1	4	1	5
1299	32339	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5-ethyl-4-propyl-	1	1	1	1	4	2	4
1300	32558	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-4-isopropyl-5,5-dimethyl-	1	1	1	1	4		
1301	32333	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-4-methyl-	1	1	1	1	4	1	3
1302	32348	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5-methyl-5-nitro-	1	1	1	1	4	1	4
1303	32523	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-5-methyl-5-propyl-	1	1	1	1	4	1	3
1304	32335	*m*-Dioxane, 2-(3-cyclohexen-1-yl)-4,5,5-trimethyl-	1	1	1	1	5	2	3
1305	30967	*m*-Dioxane, 2-cyclopropyl-2,4-dimethyl-	1	1	1	1	4	1	4
1306	30653	*m*-Dioxane, 2-(9-decenyl)-	1	1	1	1	0	1	0
1307	30656	*m*-Dioxane, 2-(9-decenyl)-4,6-dimethyl-	1	1	1	1	2	2	2
1308	30655	*m*-Dioxane, 2-(9-decenyl)-5,5-dimethyl-	1	1	1	1	2	1	0
1309	31069	*m*-Dioxane, 2-(9-decenyl)-5,5-dimethyl-4-isopropyl-	1	1	1	1	0	1	3
1310	31684	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-5-methyl-	1	1	1	1	3	1	4
1311	30668	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-5-nitro-	1	1	3	1	3	1	3
1312	31067	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-4-propyl-	1	1	1	1	1	1	2
1313	30654	*m*-Dioxane, 2-(9-decenyl)-4-methyl-	1	1	1	1	0	1	1
1314	30659	*m*-Dioxane, 2-(9-decenyl)-5-methyl-5-nitro-	1	1	1	1	3	1	2
1315	30657	*m*-Dioxane, 2-(9-decenyl)-4,4,6-trimethyl-	1	1	1	1	2	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1316	30694	*m*-Dioxane, 2-decyl-	1	1	1	1	4	1	3
1317	30693	*m*-Dioxane, 2-decyl-4,6-dimethyl-	1	1	1	1	2	1	5
1318	30695	*m*-Dioxane, 2-decyl-5,5-dimethyl-	1	1	1	1	2	1	6
1319	30704	*m*-Dioxane, 2-decyl-5-ethyl-5-nitro-	1	1	1	1	4	1	5
1320	30690	*m*-Dioxane, 2-decyl-4-methyl-	1	1	1	1	3	1	6
1321	30707	*m*-Dioxane, 2-decyl-5-methyl-5-nitro-	1	1	1	1	5	1	6
1322	30385	*m*-Dioxane, 2-(2,4-dichlorophenyl)-	1	1	1	1	4	1	3
1323	30364	*m*-Dioxane, 2-(2,4-dichlorophenyl)-4,6-dimethyl-	1	1	1	1	2	1	6
1324	30373	*m*-Dioxane, 2-(2,4-dichlorophenyl)-5,5-dimethyl-	1	1	1	1	3	1	4
1325	30353	*m*-Dioxane, 2-(2,4-dichlorophenyl)-4-methyl-	1	1	1	1	0	1	2
1326	31681	*m*-Dioxane, 2,5-diethyl-2,5-dimethyl-	1	1	1	1	6	1	4
1327	31934	*m*-Dioxane, 5,5-diethyl-2-hexyl-	1	1	1	1	4	1	4
1328	32457	*m*-Dioxane, 5,5-diethyl-2-hexyl-2-methyl-	1	1	1	1	3	1	4
1329	31816	*m*-Dioxane, 5,5-diethyl-2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	5	1	4
1330	5585	*m*-Dioxane, 5,5-diethyl-2-(*p*-methoxyphenyl)-	1	1	1	1	4	1	1
1331	32554	*m*-Dioxane, 5,5-diethyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	4	.....	.....
1332	31270	*m*-Dioxane, 5,5-diethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	1
1333	32429	*m*-Dioxane, 5,5-diethyl-2-methyl-2-pentyl-	1	1	1	2	6	1	3
1334	31796	*m*-Dioxane, 2,5-diethyl-5-methyl-2-phenyl-	1	1	1	1	6	1	5
1335	31274	*m*-Dioxane, 5,5-diethyl-2-methyl-2-phenyl-	1	1	1	1	1	1	1
1336	31891	*m*-Dioxane, 5,5-diethyl-2-methyl-2-propyl-	1	1	1	1	6	1	4
1337	31965	*m*-Dioxane, 5,5-diethyl-2-nonyl-	1	1	1	1	5	1	6
1338	31920	*m*-Dioxane, 5,5-diethyl-2-octyl-	1	1	1	1	4	1	5
1339	32243	*m*-Dioxane, 5,5-diethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	3
1340	31268	*m*-Dioxane, 5,5-diethyl-2-phenyl-	1	1	1	1	1	1	0
1341	31284	*m*-Dioxane, 2,5-diethyl-2-phenyl-4-propyl-	1	1	1	1	3	1	4
1342	32169	*m*-Dioxane, 5,5-diethyl-2-propyl-	1	1	1	1	6	1	4
1343	31926	*m*-Dioxane, 5,5-diethyl-2-styryl-	1	1	1	1	5	1	2
1344	31275	*m*-Dioxane, 5,5-diethyl-2-*p*-tolyl-	1	1	1	1	5	1	0
1345	32160	*m*-Dioxane, 2-(3,4-dimethoxyphenyl)-5,5-dimethyl-	1	1	1	1	6	1	4
1346	32163	*m*-Dioxane, 2-(3,4-dimethoxyphenyl)-5-ethyl-5-methyl-	1	1	1	1	6	1	4
1347	32161	*m*-Dioxane, 2-(3,4-dimethoxyphenyl)-5-ethyl-4-propyl-	1	1	1	1	6	1	6
1348	32157	*m*-Dioxane, 2-(3,4-dimethoxyphenyl)-4-methyl-	1	1	1	1	4	1	4
1349	32162	*m*-Dioxane, 2-(3,4-dimethoxyphenyl)-4,5,5-trimethyl-	1	1	1	1	6	1	4
1350	26283	*m*-Dioxane, 4,4-dimethyl-	1	1	1	1	6	.....	.....
1351	26282	*m*-Dioxane, 4,5-dimethyl-	1	1	1	1	6	.....	.....
1352	32253	*m*-Dioxane, 2,5-dimethyl-2,5-dipropyl-	1	1	1	1	4	2	4
1353	32702	*m*-Dioxane, 2-(2,6-dimethyl-1,5-heptadienyl)-5,5-dimethyl-	1	1	1	1	4	.....	.....
1354	32703	*m*-Dioxane, 2-(2,6-dimethyl-1,5-heptadienyl)-4-methyl-	1	1	1	1	4	.....	.....
1355	5029	*m*-Dioxane, 2-(2,6-dimethyl-5-heptenyl)-4-methyl-	1	.....	.....	.....	.....	1	4
1356	31847	*m*-Dioxane, 5,5-dimethyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	4	1	5
1357	31117	*m*-Dioxane, 4,6-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	2
1358	31128	*m*-Dioxane, 5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	1
1359	20386	*m*-Dioxane, 4,6-dimethyl-2-(3,4-methylenedioxyphenyl)-	2	1	1	1	2	1	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
1360	20644	*m*-Dioxane, 5,5-dimethyl-2-(3,4-methylenedioxyphenyl)-	*Class* 1	*Class* 1	*Class* 1	*Class* 2	*Rating* 1	*Class* 2	*Rating* 1
1361	32443	*m*-Dioxane, 2,5-dimethyl-5-nitro-2-pentyl-	1	1	1	1	6	1	5
1362	32360	*m*-Dioxane, 5,5-dimethyl-2-(*m*-nitrophenyl)-	1	1	1	1	4	1	6
1363	30613	*m*-Dioxane, 4,6-dimethyl-2-octyl-	1	1	1	1	6	1	4
1364	30614	*m*-Dioxane, 5,5-dimethyl-2-octyl-	1	1	1	1	3	1	3
1365	32400	*m*-Dioxane, 2,4-dimethyl-2-pentyl-	1	1	1	1	3	1	4
1366	32418	*m*-Dioxane, 2,5-dimethyl-2-pentyl-5-propyl-	1	1	1	3	6	1	4
1367	30382	*m*-Dioxane, 4,6-dimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	4
1368	31992	*m*-Dioxane, 5,5-dimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	6
1369	32658	*m*-Dioxane, 2,4-dimethyl-2-phenethyl-	1	1	1	1	5	.....	.....
1370	30677	*m*-Dioxane, 4,6-dimethyl-2-phenethyl-	1	1	1	1	3	1	1
1371	30679	*m*-Dioxane, 5,5-dimethyl-2-phenethyl-	1	1	1	1	1	1	0
1372	31391	*m*-Dioxane, 2,4-dimethyl-2-(2-thienyl)-	1	1	1	1	2	1	3
1373	32704	*m*-Dioxane, 2,4-dimethyl-2-*p*-tolyl-	1	1	1	1	6	.....	.....
1374	31198	*m*-Dioxane, 5,5-dimethyl-2-*p*-tolyl-	1	1	1	1	1	1	0
1375	32369	*m*-Dioxane, 5,5-dimethyl-2-undecyl-	1	1	1	1	4	1	4
1376	32662	*m*-Dioxane, 2-(4-ethoxy-3-methoxyphenyl)-4-methyl-	1	1	1	1	4	.....	.....
1377	32409	*m*-Dioxane, 5-ethyl-2,5-dimethyl-2-pentyl-	1	1	1	3	6	1	4
1378	31282	*m*-Dioxane, 2-ethyl-5,5-dimethyl-2-phenyl-	1	1	1	1	0	1	0
1379	31686	*m*-Dioxane, 5-ethyl-2,5-dimethyl-2-phenyl-	1	1	1	1	3	1	4
1380	32247	*m*-Dioxane, 2-ethyl-2,5-dimethyl-5-propyl-	1	1	1	1	5	1	4
1381	32250	*m*-Dioxane, 5-ethyl-2,5-dimethyl-2-propyl-	1	1	1	1	4	1	4
1382	32454	*m*-Dioxane, 5-ethyl-2-hexyl-2,5-dimethyl-	1	1	1	1	4	1	6
1383	32246	*m*-Dioxane, 5-ethyl-2-hexyl-5-methyl-	1	1	1	1	4	2	4
1384	32705	*m*-Dioxane, 5-ethyl-2-(2-methoxyethyl)-4-propyl-	1	1	1	1	5	.....	.....
1385	31818	*m*-Dioxane, 5-ethyl-2-(*p*-methoxyphenethyl)-2,5-dimethyl-	1	1	1	1	5	1	5
1386	31808	*m*-Dioxane, 5-ethyl-2-(*p*-methoxyphenethyl)-2-methyl-4-propyl-	1	1	1	1	4	1	4
1387	31685	*m*-Dioxane, 5-ethyl-2-(*p*-methoxyphenyl)-5-methyl-	1	1	1	1	4	1	5
1388	31848	*m*-Dioxane, 5-ethyl-2-(*alpha*-methylbenzyl)-4-propyl-	1	1	1	2	3	1	4
1389	31189	*m*-Dioxane, 5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-5-nitro-	1	1	1	1	6	1	4
1390	31151	*m*-Dioxane, 5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-4-propyl-	1	1	1	1	4	1	4
1391	32552	*m*-Dioxane, 5-ethyl-5-methyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	5	.....	.....
1392	31683	*m*-Dioxane, 5-ethyl-5-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	4	1	4
1393	32240	*m*-Dioxane, 5-ethyl-5-methyl-2-(3,4-methylenedioxyphenyl)-	1	1	1	1	2	1	3
1394	32617	*m*-Dioxane, 5-ethyl-2-methyl-2-(2-naphthyl)-4-propyl-	1	1	1	1	5	.....	.....
1395	32444	*m*-Dioxane, 5-ethyl-2-methyl-5-nitro-2-pentyl-	1	1	1	1	3	1	4
1396	32008	*m*-Dioxane, 5-ethyl-5-methyl-2-nonyl-	1	1	1	1	5	1	6
1397	32007	*m*-Dioxane, 5-ethyl-5-methyl-2-octyl-	1	1	1	2	4	1	6
1398	32430	*m*-Dioxane, 5-ethyl-2-methyl-2-pentyl-4-propyl-	1	1	1	1	5	2	5
1399	31996	*m*-Dioxane, 5-ethyl-5-methyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	6
1400	32661	*m*-Dioxane, 5-ethyl-2-methyl-2-phenethyl-4-propyl-	1	1	1	1	4	.....	.....
1401	31278	*m*-Dioxane, 2-ethyl-4-methyl-2-phenyl-	1	1	1	2	2	2	2
1402	31675	*m*-Dioxane, 5-ethyl-5-methyl-2-phenyl-	1	1	1	1	4	1	5
1403	32432	*m*-Dioxane, 2-ethyl-5-methyl-2-phenyl-5-propyl-	1	1	1	1	4	2	5
1404	32172	*m*-Dioxane, 5-ethyl-5-methyl-2-propyl-	1	1	1	1	6	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1405	31680	*m*-Dioxane, 5-ethyl-5-methyl-2-styryl-	1	1	1	1	5	1	4
1406	32381	*m*-Dioxane, 5-ethyl-5-nitro-	1	1	1	1	6	1	4
1407	30647	*m*-Dioxane, 5-ethyl-5-nitro-2-octyl-	1	1	1	1	6	1	5
1408	30698	*m*-Dioxane, 5-ethyl-5-nitro-2-phenethyl-	1	1	1	1	4	1	1
1409	32359	*m*-Dioxane, 5-ethyl-2-(*m*-nitrophenyl)-4-propyl-	1	1	1	1	4	1	5
1410	31206	*m*-Dioxane, 5-ethyl-5-nitro-2-*p*-tolyl-	1	1	1	1	2	1	3
1411	32380	*m*-Dioxane, 5-ethyl-5-nitro-2-undecyl-	1	1	1	1	6	1	4
1412	31916	*m*-Dioxane, 5-ethyl-2-octyl-4-propyl-	1	1	1	1	4	1	5
1413	30686	*m*-Dioxane, 5-ethyl-2-phenethyl-4-propyl-	1	1	1	1	2	1	4
1414	31281	*m*-Dioxane, 2-ethyl-2-phenyl-	1	1	1	1	0	1	0
1415	5581	*m*-Dioxane, 5-ethyl-4-propyl-	1	1	1	1	4	1	5
1416	31204	*m*-Dioxane, 5-ethyl-4-propyl-2-*p*-tolyl-	1	1	1	1	2	1	2
1417	31522	*m*-Dioxane, 2-ethyl-2,4,5,5-tetramethyl-	1	1	1	1	6	1	4
1418	31283	*m*-Dioxane, 2-ethyl-4,4,6-trimethyl-2-phenyl-	1	1	1	1	4	2	2
1419	31529	*m*-Dioxane, 2-ethyl-4,5,5-trimethyl-2-phenyl-	1	1	1	2	2	1	6
1420	32729	*m*-Dioxane, 2-heptyl-2,4-dimethyl-	1	1	1	1	6	.....	.....
1421	32730	*m*-Dioxane, 2-heptyl-2,5,5-trimethyl-	1	1	1	1	6	.....	.....
1422	31932	*m*-Dioxane, 2-hexyl-5,5-dimethyl-	1	1	1	1	4	1	4
1423	31933	*m*-Dioxane, 2-Hexyl-4-isopropyl-5,5-dimethyl-	1	1	1	1	5	1	5
1424	31948	*m*-Dioxane, 2-hexyl-5-methyl-5-propyl-	1	1	1	1	3	1	5
1425	32453	*m*-Dioxane, 2-hexyl-2,4,5,5-tetramethyl-	1	1	1	1	5	1	6
1426	32452	*m*-Dioxane, 2-hexyl-2,5,5-trimethyl-	1	1	1	1	6	1	6
1427	31946	*m*-Dioxane, 2-hexyl-4,5,5-trimethyl-	1	1	1	1	4	1	5
1428	32376	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-	1	1	2	1	3	1	5
1429	31153	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	6	1	5
1430	31970	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-nonyl-	1	1	1	1	4	1	5
1431	31919	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-octyl-	1	1	1	1	4	1	4
1432	30377	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	6
1433	31155	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-phenyl-	1	1	1	1	1	1	0
1434	32191	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-propenyl-	1	1	1	1	5	1	4
1435	32168	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-propyl-	1	1	1	1	2	1	5
1436	31682	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-styryl-	1	1	1	1	4	1	4
1437	31205	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-*p*-tolyl-	1	1	1	1	1	1	0
1438	31809	*m*-Dioxane, 4-isopropyl-2-(*p*-methoxyphenethyl)-2,5,5-trimethyl-	1	1	1	1	4	1	4
1439	31230	*m*-Dioxane, 4-isopropyl-2-(*p*-methoxyphenyl)-5,5-dimethyl-	1	1	1	1	0	1	2
1440	32436	*m*-Dioxane, 4-isopropyl-2,5,5-trimethyl-2-pentyl-	1	1	1	1	5	1	5
1441	31855	*m*-Dioxane, 4-isopropyl-2,5,5-trimethyl-2-propyl-	1	1	1	1	3	1	4
1442	32706	*m*-Dioxane, 2-(2-methoxyethyl)-5,5-dimethyl-	1	1	1	1	4	.....	.....
1443	31480	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,4-dimethyl-	1	1	1	1	3	1	6
1444	31817	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	4	1	4
1445	31815	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,4,4,6-tetramethyl-	1	1	1	1	2	1	5
1446	31672	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,5,5-trimethyl-	1	1	1	1	4	1	4
1447	32205	*m*-Dioxane, 2-(*o*-methoxyphenyl)-5,5-dimethyl-	1	1	1	1	4	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
1448	32195	*m*-Dioxane, 2-(*o*-methoxyphenyl)-4-methyl-	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 6	*Class* 1	*Rating* 4
1449	5533	*m*-Dioxane, 4-(*p*-methoxyphenyl)-5-methyl-	1	1	1	1	2	1	0
1450	32210	*m*-Dioxane, 2-(*o*-methoxyphenyl)-5-methyl-5-nitro-	1	1	1	1	4	1	3
1451	32009	*m*-Dioxane, 2-(*p*-methoxyphenyl)-5-methyl-5-propyl-	1	1	1	1	4	1	6
1452	31524	*m*-Dioxane, 2-(*p*-methoxyphenyl)-4,5,5-trimethyl-	1	1	1	1	6	1	5
1453	31120	*m*-Dioxane, 2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	2
1454	32174	*m*-Dioxane, 5-methyl-2,5-dipropyl-	1	1	1	1	6	2	2
1455	31828	*m*-Dioxane, 4-methyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	2	1	4
1456	32564	*m*-Dioxane, 5-methyl-2-(*alpha*-methylbenzyl)-5-propyl-	1	1	1	1	4	.....	.....
1457	31115	*m*-Dioxane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	0	1	3
1458	31154	*m*-Dioxane, 5-methyl-2-(6-methyl-3-cyclohexen-1-yl)-5-nitro-	1	1	1	1	6	1	5
1459	20292	*m*-Dioxane, 4-methyl-2-(3,4-methylenedioxyphenyl)-	1	1	1	3	1	1	.....
1460	32242	*m*-Dioxane, 5-methyl-2-(3,4-methylendioxyphenyl)-5-propyl-	1	1	1	1	5	1	4
1461	32401	*m*-Dioxane, 5-methyl-5-nitro-	1	1	1	1	4	1	4
1462	32362	*m*-Dioxane, 5-methyl-5-nitro-2-(*m*-nitrophenyl)-	1	1	1	1	4	1	4
1463	30646	*m*-Dioxane, 5-methyl-5-nitro-2-octyl-	1	1	1	1	5	1	4
1464	30685	*m*-Dioxane, 5-methyl-5-nitro-2-phenethyl-	1	1	1	1	4	1	3
1465	32358	*m*-Dioxane, 4-methyl-2-(*m*-nitrophenyl)-	1	1	1	1	4	1	4
1466	31232	*m*-Dioxane, 5-methyl-5-nitro-2-*p*-tolyl-	1	1	1	1	3	1	2
1467	31968	*m*-Dioxane, 5-methyl-2-nonyl-5-propyl-	1	1	1	1	4	1	5
1468	30611	*m*-Dioxane, 4-methyl-2-octyl-	1	1	1	1	2	1	4
1469	31922	*m*-Dioxane, 5-methyl-2-octyl-5-propyl-	1	1	1	1	6	1	5
1470	30412	*m*-Dioxane, 2-methyl-2-pentyl-	1	1	1	1	5	1	4
1471	30362	*m*-Dioxane, 4-methyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	2	1	6
1472	31995	*m*-Dioxane, 5-methyl-2-(*alpha*-pentylstyryl)-5-propyl-	1	1	1	1	4	1	6
1473	30676	*m*-Dioxane, 4-methyl-2-phenethyl-	1	1	1	1	4	1	1
1474	32211	*m*-Dioxane, 5-methyl-2-phenyl-5-propyl-	1	1	1	1	4	1	5
1475	32014	*m*-Dioxane, 5-methyl-5-propyl-	1	2	1	1	4	1	6
1476	31927	*m*-Dioxane, 5-methyl-5-propyl-2-styryl-	1	1	1	1	5	1	4
1477	32367	*m*-Dioxane, 4-methyl-2-undecyl-	1	2	2	1	4	1	4
1478	30366	*m*-Dioxane, 2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	6
1479	13171	*m*-Dioxane, 2-phenethyl-	1	1	1	1	2	1	4
1480	5849	*m*-Dioxane, 4-phenyl-	1	1	1	1	4	1	2
1481	32403	*m*-Dioxane, 2,4,4,6-tetramethyl-2-pentyl-	1	1	1	1	4	1	4
1482	32405	*m*-Dioxane, 2,4,5,5-tetramethyl-2-pentyl-	1	1	1	1	6	1	4
1483	32707	*m*-Dioxane, 2,4,5,5-tetramethyl-2-phenethyl-	1	1	1	1	4	.....	.....
1484	31669	*m*-Dioxane, 2,4,5,5-tetramethyl-2-phenyl-	1	1	1	1	6	1	4
1485	31893	*m*-Dioxane, 2,4,5,5-tetramethyl-2-propyl-	1	1	1	1	6	1	4
1486	31271	*m*-Dioxane, 2,5,5-triethyl-2-methyl-	1	1	1	1	4	1	2
1487	26302	*m*-Dioxane, 4,4,5-trimethyl-	1	1	1	1	5	.....	.....
1488	32379	*m*-Dioxane, 4,4,6-trimethyl-	1	1	2	1	4	1	4
1489	32015	*m*-Dioxane, 4,5,5-trimethyl-	1	1	1	1	4	1	6
1490	31850	*m*-Dioxane, 4,5,5-trimethyl-2-(*alpha*-methylbenzyl)-	1	1	1	2	2	1	4
1491	31129	*m*-Dioxane, 4,4,6-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	1
1492	31528	*m*-Dioxane, 4,5,5-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	2	1	1	4
1493	31917	*m*-Dioxane, 4,5,5-trimethyl-2-(3,4-methylenedioxyphenyl)-	1	1	1	1	1	1	1

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1494	32618	*m*-Dioxane, 2,5,5-trimethyl-2-(2-naphthyl)-	1	1	1	1	4	.....	.....
1495	32363	*m*-Dioxane, 4,5,5-trimethyl-2-(*m*-nitrophenyl)-	1	1	1	1	4	1	4
1496	31966	*m*-Dioxane, 4,5,5-trimethyl-2-nonyl-	1	1	1	1	4	1	6
1497	30615	*m*-Dioxane, 4,4,6-trimethyl-2-octyl-	1	1	1	1	4	1	2
1498	31921	*m*-Dioxane, 4,5,5,-trimethyl-2-octyl-	1	1	1	1	6	1	4
1499	32402	*m*-Dioxane, 2,5,5-trimethyl-2-pentyl-	1	1	1	1	3	1	4
1500	31993	*m*-Dioxane, 4,4,6-trimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	5
1501	31994	*m*-Dioxane, 4,5,5-trimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	5
1502	30678	*m*-Dioxane, 4,4,6-trimethyl-2-phenethyl-	1	1	1	1	1	1	3
1503	31536	*m*-Dioxane, 4,5,5-trimethyl-2-phenethyl-	1	1	1	1	2	1	6
1504	31418	*m*-Dioxane, 2,5,5-trimethyl-2-phenyl-	1	1	1	1	2	1	5
1505	5722	*m*-Dioxane, 4,4,6-trimethyl-2-phenyl-	1	1	1	1	2	1	2
1506	31519	*m*-Dioxane, 4,5,5-trimethyl-2-phenyl-	1	1	1	1	1	1	4
1507	32171	*m*-Dioxane, 4,5,5-trimethyl-2-propyl-	1	1	1	1	4	1	2
1508	31925	*m*-Dioxane, 4,5,5-trimethyl-2-styryl-	1	1	1	1	4	4	4
1509	32731	*m*-Dioxane, 2,5,5-trimethyl-2-*p*-tolyl-	1	1	1	1	6	.....	.....
1510	31202	*m*-Dioxane, 4,4,6-trimethyl-2-*p*-tolyl-	1	1	1	1	2	1	2
1511	31527	*m*-Dioxane, 4,5,5-trimethyl-2-*p*-tolyi-	2	1	1	1	6	1	4
1512	24543	*p*-Dioxane, 2,5(or 6)-divinyl-	1	1	1	1	6	1	6
1513	26284	*m*-Dioxane-5-methanol, 4,4-dimethyl-	1	1	1	1	6	.....	.....
1514	32198	*m*-Dioxane-5-methanol, 4,4-dimethyl-, acetate	1	1	1	1	5	1	4
1515	31532	*m*-Dioxane-2-propionic acid, 2,4,5,5-tetramethyl-, ethyl ester	1	1	1	1	6	2	4
1516	32555	*m*-Dioxane-2-propionic acid, 2,5,5-trimethyl-, ethyl ester	1	1	1	1	4	.....	.....
1517	5078	*m*-Dioxan-5-ol, 2-pentyl-	1	1	1	1	6	1	4
1518	31959	1,4-Dioxaspiro[4.5]decane, 2-(chloromethyl)-	1	1	1	1	4	1	5
1519	32106	1,4-Dioxaspiro[4.5]decane, 2-(chloromethyl)-8-methyl-	1	1	1	2	3	1	4
1520	32057	1,4-Dioxaspiro[4.5]decane, 2-(ethoxymethyl)-	1	1	1	1	4	1	6
1521	32732	1,4-Dioxaspiro[4.5]decane, 8-methyl-2-phenyl-	1	1	1	1	5	.....	.....
1522	32178	1,4-Dioxaspiro[4.5]decane, 2-phenyl-	1	1	1	1	6	2	4
1523	31273	6,10-Dioxaspiro[4.5]decane, 8,8-diethyl-	1	1	1	1	2	1	2
1524	31679	6,10-Dioxaspiro[4.5]decane, 8-ethyl-8-methyl-	1	1	1	1	5	1	5
1525	31813	6,10-Dioxaspiro[4.5]decane, 7-isopropyl-8,8-dimethyl-	1	1	1	1	5	1	5
1526	32208	6,10-Dioxaspiro[4.5]decane, 8-methyl-8-propyl-	1	1	1	1	4	1	4
1527	31526	6,10-Dioxaspiro[4.5]decane, 7,8,8-trimethyl-	1	1	1	1	6	1	3
1528	31824	1,4-Dioxaspiro[4.5]decane-2-butanol	1	1	1	1	3	1	4
1529	14792	1,4-Dioxaspiro[4.5]decane-2,3-dicarboxylic acid, dibutyl ester	1	1	1	1	6	.....	.....
1530	32733	1,4-Dioxaspiro[4.5]decane-2,3-dicarboxylic acid, diethyl ester	1	1	1	1	5	.....	.....
1531	31184	1,4-Dioxaspiro[4.5]decane-2-methanol, acetate	1	1	1	1	4	1	3
1532	31960	1,4-Dioxaspiro[4.4]nonane, 2-(chloromethyl)-	1	1	1	1	4	1	6
1533	32058	1,4-Dioxaspiro[4.4]nonane, 2-(ethoxymethyl)-	1	1	1	1	4	1	6
1534	32176	1,4-Dioxaspiro[4.4]nonane, 2-phenyl-	1	1	1	1	6	1	4
1535	19473	1,6-Dioxaspiro[4.4]nonane	1	1	1	1	4	1	3
1536	31825	1,4-Dioxaspiro[4.4]nonane-2-butanol	1	1	1	1	4	1	6
1537	32734	1,4-Dioxaspiro[4.4]nonane-2,3-dicarboxylic acid, dibutyl ester	1	1	1	1	6	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
1538	31185	1,4-Dioxaspiro[4.4]nonane-2-methanol, acetate	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 4	*Class* 1	*Rating* 4
1539	31276	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-	1	1	1	1	1	1	1
1540	31541	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-9-methyl-	1	1	1	1	1	1	4
1541	31542	1,5-Dioxaspiro[5.5]undecane, 2,9-dimethyl-	1	1	1	1	3	1	6
1542	31678	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-3-methyl-	1	1	1	1	4	1	4
1543	31632	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-9-methyl-2-propyl-	1	1	1	1	6	1	4
1544	32209	1,5-Dioxaspiro[5.5]undecane, 3-methyl-3-propyl-	1	1	1	1	3	1	4
1545	31540	1,5-Dioxaspiro[5.5]undecane, 2,3,3,9-tetramethyl-	1	1	1	1	1	1	4
1546	31523	1,5-Dioxaspiro[5.5]undecane, 2,3,3-trimethyl-	1	1	1	1	6	1	6
1547	31631	1,5-Dioxaspiro[5.5]undecane, 3,3,9-trimethyl-	1	1	1	1	6	1	4
1548	32929	1,3-Dioxolane, 4-(allyloxymethyl)-2-(3-cyclohexen-1-yl)-	1	1	1	2	2	.....	.....
1549	31161	1,3-Dioxolane, 2-benzyl-	1	1	1	1	0	1	2
1550	32107	1,3-Dioxolane, 2-benzyl-4-(chloromethyl)-	1	1	1	1	1	1	2
1551	31962	1,3-Dioxolane, 2-benzyl-4-(chloromethyl)-2-methyl-	1	1	1	1	4	1	5
1552	31158	1,3-Dioxolane, 2-benzyl-4,5-dimethyl-	1	1	1	1	1	1	2
1553	31157	1,3-Dioxolane, 2-benzyl-4-methyl-	1	1	1	1	0	1	1
1554	32655	1,3-Dioxolane, 2-benzyl-2-methyl-4-phenyl-	1	1	1	1	5	.....	.....
1555	32192	1,3-Dioxolane, 2-benzyl-4-phenyl-	1	2	1	1	4	1	4
1556	32112	1,3-Dioxolane, 2,4-bis(chloromethyl)-	1	1	1	4	2	1	4
1557	31366	1,3-Dioxolane, 2-(2-bromo-4,5-methylenedioxyphenyl)-	1	1	1	1	2	1	1
1558	31383	1,3-Dioxolane, 2-(2-bromo-4,5-methylenedioxyphenyl)-4,5-dimethyl-	1	1	1	1	2	4	2
1559	31363	1,3-Dioxolane, 2-(2-bromo-4,5-methylenedioxyphenyl)-4-methyl-	1	1	1	1	3	4	1
1560	32793	1,3-Dioxolane, 2-(3-butenyl)-4-(chloromethyl)-2-methyl-	1	1	1	1	4	.....	.....
1561	32798	1,3-Dioxolane, 2-(3-butenyl)-2-methyl-4-phenyl-	1	1	1	1	5	.....	.....
1562	32788	1,3-Dioxolane, 2-(3-butenyl)-2,4,5-trimethyl-	2	1	1	1	4	.....	.....
1563	32255	1,3-Dioxolane, 4-(chloromethyl)-	1	1	1	1	6	1	4
1564	31954	1,3-Dioxolane, 4-(chloromethyl)-2-(*o*-chlorophenyl)-	1	1	1	1	3	1	4
1565	31955	1,3-Dioxolane, 4-(chloromethyl)-2-(*p*-chlorophenyl)-	1	1	1	1	3	1	4
1566	32799	1,3-Dioxolane, 4-(chloromethyl)-2-(*p*-chlorophenyl)-2-methyl-	1	1	1	1	3	.....	.....
1567	32165	1,3-Dioxolane, 4-(chloromethyl)-2-*p*-cumenyl-	1	1	2	1	6	1	4
1568	32336	1,3-Dioxolane, 4-(chloromethyl)-2-(3-cyclohexen-1-yl)-	1	1	1	1	4	1	4
1569	32735	1,3-Dioxolane, 4-(chloromethyl)-2-cyclopropyl-2-methyl-	1	1	1	1	6	.....	.....
1570	32159	1,3-Dioxolane, 4-(chloromethyl)-2-(3,4-dimethoxyphenyl)-	1	1	1	1	6	1	4
1571	31357	1,3-Dioxolane, 2-(2-chloro-4,5-methylenedioxyphenyl)-4-methyl-	1	1	1	1	4	4	4
1572	32805	1,3-Dioxolane, 4-(chloromethyl)-2-(4-ethoxy-3-methoxyphenyl)-	1	1	1	1	4	.....	.....
1573	32093	1,3-Dioxolane, 4-(chloromethyl)-2-ethyl-2-methyl-	1	1	1	1	4	1	4
1574	31964	1,3-Dioxolane, 4-(chloromethyl)-2-ethyl-2-phenyl-	1	1	1	1	3	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1575	32736	1,3-Dioxolane, 4-(chloromethyl)-2-heptyl-2-methyl-	1	1	1	1	6	.....	.....
1576	9398	1,3-Dioxolane, 4-(chloromethyl)-2-hexyl-	1	1	1	1	2	2	3
1577	32109	1,3-Dioxolane, 4-(chloromethyl)-2-hexyl-2-methyl-	1	1	1	2	3	2	3
1578	32708	1,3-Dioxolane, 4-(chloromethyl)-2-(2-methoxyethyl)-	1	1	1	1	4	.....	.....
1579	32251	1,3-Dioxolane, 4-(chloromethyl)-2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	4	1	4
1580	32196	1,3-Dioxolane, 4-(chloromethyl)-2-(*o*-methoxyphenyl)-	1	1	1	1	5	2	4
1581	31961	1,3-Dioxolane, 4-(chloromethyl)-2-(*p*-methoxyphenyl)-	1	1	1	1	4	1	5
1582	31963	1,3-Dioxolane, 4-(chloromethyl)-2-(*alpha*-methylbenzyl)-	1	1	1	1	4	1	4
1583	31958	1,3-Dioxolane, 4-(chloromethyl)-2-(3,4-methylenedioxyphenyl)-	1	1	1	1	3	1	4
1584	32614	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-(2-naphthyl)-	1	1	1	1	4	.....	.....
1585	32110	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-pentyl-	1	1	1	2	3	2	5
1586	32659	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-phenethyl-	1	1	1	1	5	.....	.....
1587	32105	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-phenyl-	1	1	1	2	3	2	4
1588	32073	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-propyl-	1	1	1	1	5	1	4
1589	32709	1,3-Dioxolane, 4-(chloromethyl)-2-methyl-2-*p*-tolyl-	1	1	1	1	4	.....	.....
1590	32361	1,3-Dioxolane, 4-(chloromethyl)-2-(*m*-nitrophenyl)-	1	3	1	1	5	1	5
1591	32071	1,3-Dioxolane, 4-(chloromethyl)-2-nonyl-	1	1	1	1	4	1	6
1592	31944	1,3-Dioxolane, 4-(chloromethyl)-2-octyl-	1	1	1	1	4	1	5
1593	32095	1,3-Dioxolane, 4-(chloromethyl)-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	3
1594	32108	1,3-Dioxolane, 4-(chloromethyl)-2-phenethyl-	1	1	1	2	2	1	4
1595	31949	1,3-Dioxolane, 4-(chloromethyl)-2-phenyl-	1	1	1	1	4	1	4
1596	32467	1,3-Dioxolane, 4-(chloromethyl)-2-propenyl-	1	1	1	1	6	1	6
1597	32166	1,3-Dioxolane, 4-(chloromethyl)-2-propyl-	1	1	1	1	6	1	2
1598	31945	1,3-Dioxolane, 4-(chloromethyl)-2-styryl-	1	1	1	1	4	1	4
1599	32094	1,3-Dioxolane, 4-(chloromethyl)-2-*p*-tolyl-	1	1	1	1	3	1	4
1600	32368	1,3-Dioxolane, 4-(chloromethyl)-2-undecyl-	1	2	1	1	4	1	4
1601	32802	1,3-Dioxolane, 2-(*p*-chlorophenyl)-2-methyl-4-phenyl-	1	1	1	1	4	.....	.....
1602	32797	1,3-Dioxolane, 2-(*p*-chlorophenyl)-2,4,5-trimethyl-	1	1	1	1	5	.....	.....
1603	30907	1,3-Dioxolane, 2-*p*-cumenyl-	1	1	1	1	2	1	2
1604	30904	1,3-Dioxolane, 2-*p*-cumenyl-4,5-dimethyl-	1	1	1	1	1	1	2
1605	30383	1,3-Dioxolane, 2-*p*-cumenyl-4-methyl-	1	1	1	1	2	1	2
1606	32338	1,3-Dioxolane, 2-(3-cyclohexen-1-yl)-	1	1	1	1	4	2	4
1607	32332	1,3-Dioxolane, 2-(3-cyclohexen-1-yl)-4,5-dimethyl-	1	2	1	1	6	2	4
1608	32331	1,3-Dioxolane, 2-(3-cyclohexen-1-yl)-4-methyl-	1	1	1	1	4	1	4
1609	32340	1,3-Dioxolane, 2-(3-cyclohexen-1-yl)-4-phenyl-	1	3	1	1	4	1	4
1610	24772	1,3-Dioxolane, 2-(cyclohexylmethyl)-2-methyl-	1	1	1	2	2	1	6
1611	30934	1,3-Dioxolane, 2-cyclopropyl-2,4-dimethyl-	1	1	1	1	6	1	5
1612	30935	1,3-Dioxolane, 2-cyclopropyl-2,4,5-trimethyl-	1	1	1	1	4	1	4
1613	30649	1,3-Dioxolane, 2-(9-decenyl)-	1	1	1	1	4	1	4
1614	30652	1,3-Dioxolane, 2-(9-decenyl)-4,5-dimethyl-	1	1	1	1	3	1	2
1615	30651	1,3-Dioxolane, 2-(9-decenyl)-4-methyl-	1	1	1	1	0	1	3

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1616	30691	1,3-Dioxolane, 2-decyl-	1	1	1	1	1	1	2
1617	30689	1,3-Dioxolane, 2-decyl-4,5-dimethyl-	1	1	1	1	4	1	4
1618	30688	1,3-Dioxolane, 2-decyl-4-methyl-	1	1	1	1	3	1	3
1619	30333	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-	1	1	1	2	1	2	0
1620	30352	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4,5-dimethyl-	1	1	1	1	2	1	2
1621	32737	1,3-Dioxolane, 2-(3,4-dichlorophenyl)-4,5-dimethyl-	1	1	1	1	4	.....	.....
1622	30334	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4-methyl-	1	1	1	1	0	1	5
1623	32463	1,3-Dioxolane, 2,2-diisopropyl-4,5-dimethyl-	1	1	1	1	4	1	6
1624	32460	1,3-Dioxolane, 2,2-diisopropyl-4-methyl-	1	1	1	1	4	1	5
1625	32156	1,3-Dioxolane, 2-(3,4-dimethoxyphenyl)-4,5-dimethyl-	1	1	1	1	4	1	4
1626	32154	1,3-Dioxolane, 2-(3,4-dimethoxyphenyl)-4-methyl-	1	1	1	1	6	1	4
1627	31827	1,3-Dioxolane, 4,5-dimethyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	4	2	5
1628	31116	1,3-Dioxolane, 4,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	4
1629	32612	1,3-Dioxolane, 2,4-dimethyl-2-(2-naphthyl)-	1	1	1	1	4	.....	.....
1630	32357	1,3-Dioxolane, 4,5-dimethyl-2-(*m*-nitrophenyl)-	1	1	1	1	4	1	5
1631	30612	1,3-Dioxolane, 4,5-dimethyl-2-octyl-	1	1	1	1	2	1	5
1632	30392	1,3-Dioxolane, 2,4-dimethyl-2-pentyl-	1	1	1	1	4	1	4
1633	30375	1,3-Dioxolane, 4,5-dimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	5
1634	30674	1,3-Dioxolane, 4,5-dimethyl-2-phenethyl-	1	1	1	1	2	1	1
1635	24754	1,3-Dioxolane, 2,2-dimethyl-4-phenyl-	1	1	1	1	6	3	5
1636	31197	1,3-Dioxolane, 4,5-dimethyl-2-*p*-tolyl-	1	1	1	1	1	1	1
1637	32711	1,3-Dioxolane, 4,5-dimethyl-2-(trichloromethyl)-	1	1	1	1	4	.....	.....
1638	32170	1,3-Dioxolane, 2,4-diphenyl-	1	1	1	1	6	2	1
1639	32712	1,3-Dioxolane, 2-(4-ethoxy-3-methoxyphenyl)-	1	1	1	1	4	.....	.....
1640	32656	1,3-Dioxolane, 2-(4-ethoxy-3-methoxyphenyl)-4,5-dimethyl-	1	2	1	1	6	.....	.....
1641	32258	1,3-Dioxolane, 2-(4-ethoxy-3-methoxyphenyl)-4-methyl-	1	1	1	1	5	1	5
1642	32016	1,3-Dioxolane, 4-(ethoxymethyl)-2-hexyl-	1	1	1	1	4	1	5
1643	32053	1,3-Dioxolane, 4-(ethoxymethyl)-2-(*p*-methoxyphenyl)-	1	1	1	1	4	1	4
1644	32056	1,3-Dioxolane, 4-(ethoxymethyl)-2-(3,4-methylenedioxyphenyl)-	1	1	1	1	3	1	5
1645	32059	1,3-Dioxolane, 4-(ethoxymethyl)-2-nonyl-	1	1	1	1	4	1	6
1646	32060	1,3-Dioxolane, 4-(ethoxymethyl)-2-(*alpha*-pentylstyryl)-	1	1	1	1	4	1	5
1647	32055	1,3-Dioxolane, 4-(ethoxymethyl)-2-phenyl-	1	1	1	1	4	1	5
1648	32054	1,3-Dioxolane, 4-(ethoxymethyl)-2-styryl-	1	1	1	1	5	1	4
1649	31279	1,3-Dioxolane, 2-ethyl-4,5-dimethyl-2-phenyl-	1	1	1	2	1	1	0
1650	25310	1,3-Dioxolane, 2-ethyl-2-methyl-	1	1	1	1	4	1	4
1651	24755	1,3-Dioxolane, 2-ethyl-2-methyl-4-phenyl-	1	2	1	2	3	2	1
1652	31277	1,3-Dioxolane, 2-ethyl-4-methyl-2-phenyl-	1	1	1	1	3	1	1
1653	31299	1,3-Dioxolane, 2-ethyl-2-phenyl-	1	1	1	1	5	1	4
1654	32738	1,3-Dioxolane, 2-heptyl-2,4-dimethyl-	1	1	1	1	6	.....	.....
1655	32739	1,3-Dioxolane, 2-heptyl-2,4,5-trimethyl-	1	1	1	1	5	.....	.....
1656	32458	1,3-Dioxolane, 2-hexyl-2-methyl-4-phenyl-	1	1	1	1	4	1	4
1657	32173	1,3-Dioxolane, 2-hexyl-4-phenyl-	1	1	1	1	6	1	4
1658	31912	1,3-Dioxolane, 2-isobutyl-2,4-dimethyl-	1	1	1	1	4	1	5
1659	24763	1,3-Dioxolane, 2-(2-methoxyethyl)-4-phenyl-	1	1	1	1	5	1	4
1660	31479	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2,4-dimethyl-	1	1	1	1	3	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
1661	31481	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2-methyl-	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 4	*Class* 1	*Rating* 6
1662	31482	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2,4,5-trimethyl-	1	1	1	1	4	1	5
1663	32194	1,3-Dioxolane, 2-(*o*-methoxyphenyl)-4-methyl-	1	1	1	1	4	1	4
1664	32177	1,3-Dioxolane, 2-(*p*-methoxyphenyl)-4-phenyl-	1	1	1	1	5	1	4
1665	31892	1,3-Dioxolane, 2-(*p*-methoxystyryl)-2,4-dimethyl-	1	1	1	1	6	1	4
1666	31829	1,3-Dioxolane, 2-(*alpha*-methylbenzyl)-	1	1	1	1	2	1	4
1667	31112	1,3-Dioxolane, 2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	4	1	2
1668	32455	1,3-Dioxolane, 2-methyl-2,4-diphenyl-	1	1	1	1	6	1	6
1669	20227	1,3-Dioxolane, 2-(3,4-methylenedioxyphenyl)-4,5-dimethyl-	1	1	1	1	4	1	.....
1670	20182	1,3-Dioxolane, 2-(3,4-methylenedioxyphenyl)-4-methyl-	1	1	1	2	2	1	.....
1671	32654	1,3-Dioxolane, 2-(3,4-methylenedioxyphenyl)-4-phenyl-	1	1	1	1	3	.....	.....
1672	31826	1,3-Dioxolane, 4-methyl-2-(*alpha*-methylbenzyl)-	1	1	1	2	2	1	5
1673	31122	1,3-Dioxolane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	1	1	1
1674	31504	1,3-Dioxolane, 4-methyl-2-(1-naphthyl)-	1	1	1	1	6	1	2
1675	32622	1,3-Dioxolane, 2-methyl-2-(2-naphthyl)-4-phenyl-	1	1	1	1	4	.....	.....
1676	30604	1,3-Dioxolane, 4-methyl-2-octyl-	1	1	1	1	1	1	0
1677	32188	1,3-Dioxolane, 2-methyl-2-pentyl-4-phenyl-	1	1	1	1	4	2	4
1678	30363	1,3-Dioxolane, 4-methyl-2-(*alpha*-pentylstyryl-	1	1	1	1	2	1	1
1679	30673	1,3-Dioxolane, 4-methyl-2-phenethyl-	1	1	1	1	2	1	2
1680	32660	1,3-Dioxolane, 2-methyl-2-phenethyl-4-phenyl-	1	1	1	1	4	.....	.....
1681	32175	1,3-Dioxolane, 2-methyl-4-phenyl-2-propyl-	1	1	1	1	6	1	4
1682	31192	1,3-Dioxolane, 4-methyl-2-*p*-tolyl-	1	1	1	1	2	1	0
1683	32366	1,3-Dioxolane, 4-methyl-2-undecyl-	1	1	1	1	4	1	4
1684	32189	1,3-Dioxolane, 2-nonyl-4-phenyl-	1	2	3	1	6	2	4
1685	24762	1,3-Dioxolane, 2-(5-norbornen-2-yl)-	1	1	1	1	6	4	1
1686	30605	1,3-Dioxolane, 2-octyl-	1	1	1	1	4	1	1
1687	30361	1,3-Dioxolane, 2-(*alpha*-pentylstyryl)-	1	1	1	1	1	1	6
1688	30675	1,3-Dioxolane, 2-phenethyl-	1	1	1	1	1	1	1
1689	32713	1,3-Dioxolane, 2-phenethyl-4-phenyl-	1	1	1	1	4	.....	.....
1690	24753	1,3-Dioxolane, 4-phenyl-	1	1	1	1	6	4	0
1691	32190	1,3-Dioxolane, 4-phenyl-2-propenyl-	1	1	1	1	6	1	4
1692	32167	1,3-Dioxolane, 4-phenyl-2-propyl-	1	1	1	1	6	1	5
1693	32257	1,3-Dioxolane, 4-phenyl-2-styryl-	1	1	1	1	4	1	5
1694	32371	1,3-Dioxolane, 4-phenyl-2-undecyl-	1	1	1	1	4	1	6
1695	32615	1,3-Dioxolane, 2,4,5-trimethyl-2-(2-naphthyl)-	1	1	1	1	4	.....	.....
1696	32385	1,3-Dioxolane, 2,4,5-trimethyl-2-pentyl-	1	1	1	1	6	1	4
1697	32657	1,3-Dioxolane, 2,4,5-trimethyl-2-phenethyl-	1	1	1	1	5	.....	.....
1698	32714	1,3-Dioxolane, 2,4,5-trimethyl-2-*p*-tolyl-	1	1	1	2	2	.....	.....
1699	32372	1,3-Dioxolane, 2-undecyl-	1	2	1	1	4	1	4
1700	32150	1,3-Dioxolane-2-acetic acid, 4-(chloromethyl)-2-methyl-, ethyl ester	1	1	1	1	6	1	4
1701	32179	1,3-Dioxolane-2-acetic acid, 2-methyl-4-phenyl-, ethyl ester	1	1	1	1	5	1	4
1702	32378	1,3-Dioxolane-4-butanol	1	1	1	1	3	1	4
1703	32193	1,3-Dioxolane-4-butanol, 2-benzyl-	1	1	1	1	4	1	4
1704	31889	1,3-Dioxolane-4-butanol, 2-benzyl-2-methyl-	1	1	1	1	6	1	4
1705	31888	1,3-Dioxolane-4-butanol-, 2-(*o*-chlorophenyl)-	1	1	1	1	3	1	3
1706	31820	1,3-Dioxolane-4-butanol, 2-(*p*-chlorophenyl)-	1	1	1	1	4	1	4
1707	32423	1,3-Dioxolane-4-butanol, 2-*p*-cumenyl-	1	1	1	1	5	1	4
1708	31821	1,3-Dioxolane-4-butanol, 2,2-dimethyl-	1	1	1	1	5	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1709	31851	1,3-Dioxolane-4-butanol, 2,2-dimethyl-, acetate	1	1	1	1	1	1	4
1710	31853	1,3-Dioxolane-4-butanol, 2,2-dimethyl-, formate	1	1	1	1	4	1	5
1711	32248	1,3-Dioxolane-4-butanol, 2-ethyl-2-methyl-	1	2	1	1	6	1	4
1712	31887	1,3-Dioxolane-4-butanol, 2-ethyl-2-phenyl-	1	1	1	1	3	1	4
1713	31947	1,3-Dioxolane-4-butanol, 2-hexyl-	1	1	1	1	4	1	6
1714	31894	1,3-Dioxolane-4-butanol, 2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	6	1	4
1715	31911	1,3-Dioxolane-4-butanol, 2-(*p*-methoxyphenyl)-	1	1	1	1	4	1	5
1716	31890	1,3-Dioxolane-4-butanol-, 2-(3,4-methylenedioxyphenyl)-	1	1	1	1	6	1	4
1717	32434	1,3-Dioxolane-4-butanol, 2-methyl-2-pentyl-	1	1	1	1	4	1	6
1718	31886	1,3-Dioxolane-4-butanol, 2-methyl-2-phenyl-	1	1	1	1	4	1	4
1719	31823	1,3-Dioxolane-4-butanol, 2-methyl-2-propyl-	1	1	1	1	4	1	5
1720	31991	1,3-Dioxolane-4-butanol, 2-nonyl-	1	1	1	1	4	1	6
1721	31923	1,3-Dioxolane-4-butanol, 2-octyl-	1	1	1	1	6	1	5
1722	31819	1,3-Dioxolane-4-butanol, 2-phenyl-	1	1	1	1	4	1	5
1723	31822	1,3-Dioxolane-4-butanol, 2-propyl-	1	1	1	1	5	1	5
1724	31930	1,3-Dioxolane-4-butanol, 2-styryl-	1	1	1	1	6	1	4
1725	32538	1,3-Dioxolane-4,5-dicarboxylic acid, 2-ethyl-2-methyl-, dipentyl ester	1	1	1	1	6	1	4
1726	32557	1,3-Dioxolane-4,5-dicarboxylic acid, 2-ethyl-2-methyl-, dipropyl ester	1	1	1	1	4	.....	.....
1727	32674	1,3-Dioxolane-4,5-dicarboxylic acid, 2-hexyl-, dibutyl ester	1	1	1	2	3	.....	.....
1728	31183	1,3-Dioxolane-4-methanol, 2-benzyl-, acetate	1	1	1	1	3	1	4
1729	31233	1,3-Dioxolane-4-methanol, 2-benzyl-2-methyl-, acetate	1	1	1	1	4	1	3
1730	32411	1,3-Dioxolane-4-methanol, 2-*p*-cumenyl-, acetate	1	1	1	1	4	1	4
1731	32337	1,3-Dioxolane-4-methanol, 2-(3-cyclohexen-1-yl)-, acetate	1	1	1	1	4	2	4
1732	32158	1,3-Dioxolane-4-methanol, 2-(3,4-dimethoxyphenyl)-, acetate	1	1	1	1	6	1	4
1733	31227	1,3-Dioxolane-4-methanol, 2-ethyl-2-methyl-, acetate	1	1	1	1	2	1	4
1734	31931	1,3-Dioxolane-4-methanol, 2-hexyl-, acetate	1	1	1	1	4	1	4
1735	31814	1,3-Dioxolane-4-methanol, 2-(*p*-methoxyphenethyl)-2-methyl-, acetate	1	1	1	1	3	1	4
1736	31228	1,3-Dioxolane-4-methanol, 2-(*p*-methoxyphenyl)-, acetate	1	1	1	1	2	1	4
1737	31849	1,3-Dioxolane-4-methanol, 2-(*alpha*-methylbenzyl)-, acetate	1	1	1	1	4	1	4
1738	31166	1,3-Dioxolane-4-methanol, 2-(6-methyl-3-cyclohexen-1-yl)-, acetate	1	1	1	1	4	1	4
1739	31360	1,3-Dioxolane-4-methanol, 2-(3,4-methylenedioxyphenyl)-, acetate	1	1	1	1	4	1	6
1740	32433	1,3-Dioxolane-4-methanol, 2-methyl-2-pentyl-, acetate	1	1	1	1	4	1	4
1741	31208	1,3-Dioxolane-4-methanol, 2-methyl-2-phenyl-, acetate	1	1	1	1	2	1	2
1742	32254	1,3-Dioxolane-4-methanol, 2-methyl-2-propyl-, acetate	1	1	1	1	5	1	4
1743	31969	1,3-Dioxolane-4-methanol, 2-nonyl-, acetate	1	1	1	1	5	1	5
1744	31918	1,3-Dioxolane-4-methanol, 2-octyl-, acetate	1	1	1	1	4	1	4
1745	32245	1,3-Dioxolane-4-methanol, 2-(*alpha*-pentylstyryl)-, acetate	1	1	1	1	5	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1746	32374	1,3-Dioxolane-4-methanol, 2-phenethyl-, acetate	1	1	1	1	3	1	5
1747	31164	1,3-Dioxolane-4-methanol, 2-phenyl-, acetate	1	1	1	1	6	1	3
1748	31182	1,3-Dioxolane-4-methanol, 2-styryl-, acetate	1	1	1	1	2	1	4
1749	31186	1,3-Dioxolane-4-methanol, 2-*p*-tolyl-, acetate	1	1	1	1	4	1	5
1750	32151	1,3-Dioxolane-2-propionic acid, 4-(chloromethyl)-2-methyl-, ethyl ester	1	1	1	1	6	1	4
1751	6381	1,3-Dioxolane-2-propionic acid, 2-methyl-, cyclohexyl ester	1					1	4
1752	25361	Dipropylamine, 3,3′-diamino-	1	1	1			1	6
1753	25362	Dipropylamine, 3,3′-diamino-*N*-methyl-	1	1	1			1	6
1754	14199	Dodecane, 1,2-epoxy-	1	1	1			2	2
1755	7577	1-Dodecanethiol	1	1	1			2	0
1756	41035	*Dryopteris marginalis* leaves, stems and roots, alcohol extractive	1	1	1	1	6		
1757	41034	*Dryopteris marginalis* leaves, stems, and roots, ethyl ether extractive	1	1	1	2	2		
1758	41051	*Dryopteris novebacensis* leaves, ethanol extractive	1	1	1	1	4		
1759	41077	*Echinacea purpurea* leaves, stems, and roots, ethanol extractive	1	1	1	1	5		
1760	41016	*Eryngium prostratum* leaves, stems, and inflorescence, ethyl ether extractive	1	1	1	1	6		
1761	41017	*Eryngium prostratum* leaves, stems, and inflorescence, methanol extractive	1	1	1	1	6		
1762	16052	Estragole	1					1	5
1763	10055	*o*-Estragole, 4-methyl-	1					2	2
1764	7574	Ethane, 2,2-bis(*p*-*tert*-butylphenyl)-1,1,1-trichloro-	1	1	1	1	6	1	6
1765	25056	Ethane, 1-[2-(2-butoxyethoxy)ethoxy]-2-vinyloxy-	1	1	1			1	5
1766	25055	Ethane, 1-(2-butoxyethoxy)-2-vinyloxy-	1	1	1			1	4
1767	14413	Ethane, 1-butoxy-2-vinyloxy-	1	1	1			1	5
1768	24757	Ethane, 1,2-dimethoxy-1-phenyl-	1	1	1	1	6	3	1
1769	25061	Ethane, 1-[2-(2-ethoxyethoxy)ethoxy]-2-vinyloxy-	1	1	1			1	6
1770	25057	Ethane, 1-(2-ethoxyethoxy)-2-vinyloxy-	1	1	1			1	6
1771	18434	Ethane, 1-methoxy-2-vinyloxy-		1	1			1	5
1772	32406	1,2-Ethanediol, 1-phenyl-, diformate	1	1	1	1	6	1	4
1773	25446	Ethanesulfonic acid, 2-cyano-, sodium salt	1	1	1	1	4		
1774	30512	Ethanol, 2-butoxy-, benzoate	1	1	1	1	6	1	0
1775	30447	Ethanol, 2-butoxy-, formate	1	1	1	1	4	1	1
1776	30576	Ethanol, 2-(2-butoxyethoxy)-, benzoate	1	1	1	1	6	1	1
1777	30435	Ethanol, 2-(2-butoxyethoxy)-, formate	1	1	1	1	5	1	4
1778	2812	Ethanol, 2-(*p*-*sec*-butylphenoxy)-	1	1	1	1	5	1	4
1779	2094	Ethanol, 2-(*p*-*tert*-butylphenoxy)-, acetate	1	2	1	1	4	1	4
1780	5014	Ethanol, 2-(carvacryloxy)-	1	1	1	1	1	1	5
1781	31449	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-	1	1	1	1	2	1	6
1782	31399	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-, acetate	1	1	1	1	4	1	4
1783	30508	Ethanol, 2-ethoxy-, benzoate	1	1	1	1	6	1	1
1784	32906	Ethanol, 2-[ethyl(1-propylbutyl)amino]-	1	1	1	1	4		
1785	31451	Ethanol, 2-(ethylthio)-, acetate	1	1	1	1	6	1	6
1786	30507	Ethanol, 2-methoxy-, benzoate	1	1	1	1	6	2	0
1787	31407	Ethanol, 2-(3,4-methylenedioxyphenoxy)-, acetate	1	1	1	1	5	1	4
1788	25309	Ethanol, 2-(2-methylpentyloxy)-	1	1	1	1	4	1	5
1789	14041	Ethanol, 2-phenoxy-, benzoate	1	1	1	1	6	1	5
1790	30229	Ethanol, 2-propoxy-	1	1	1	1	3	1	4
1791	5542	Ethanol, 2,2′-thiodi-, diacetate	1	1	1	1	5		
1792	25486	Ethanol, 2,2,2-trifluoro-	1	1	1	1	6		

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1793	32346	Ether, allyl *m*-tolyl	1	1	1	1	5	1	4
1794	25058	Ether, allyl vinyl	1	1	1	.....	.....	1	4
1795	948	Ether, benzyl butyl	1	.....	.....	.....	.....	1	4
1796	21993	Ether, benzyl methyl	1	1	1	1	6	1	6
1797	25456	Ether, bis(2,3,3,3-tetrachloropropyl)	1	2	1	4A	0	4A	0
1798	25334	Ether, 1,3-butadienyl methyl	1	1	1	.....	.....	1	5
1799	24225	Ether, butyl vinyl	1	1	1	.....	.....	1	6
1800	32895	Ether, *p*-chlorophenyl phenyl	1	1	1	1	6	.....	.....
1801	13146	Ether, 2,4-dichlorophenyl 2,3-epoxypropyl	1	1	1	1	0	1	0
1802	31377	Ether, 2,2-dimethyl-3-(2-methylpropenyl)-cyclopropylmethyl 2-tetrahydropyranyl	1	1	1	1	3	1	5
1803	25059	Ether, 2-ethylhexyl vinyl	1	1	1	.....	.....	1	4
1804	24226	Ether, ethyl vinyl	1	1	1	.....	.....	1	4
1805	21570	Ether, isobutyl phenyl	1	1	1	1	6	1	4
1806	18425	Ether, isobutyl vinyl	1	1	1	.....	.....	1	4
1807	32544	Ether, *p*-menth-1-en-8-yl methyl	1	1	1	1	4	.....	.....
1808	2701	Ether, piperonyl propyl	1	1	1	1	3	.....	.....
1809	31195-X	*Euphorbia* sp., latex	1	1	1	1	4	1	6
1810	21370	*Fabiana imbricata* tops, ethanol extractive	1	2	1	1	6	1	6
1811	21380	*Fabiana imbricata* tops, ethyl ether extractive	1	1	1	1	6	1	4
1812	14249	Fencholic acid	1	1	1	1	4	1	5
1813	31180-X	*Festuca* spp. grass (dry), ethanol extractive of ether extracted marc	1	1	1	1	6	1	2
1814	31179-X	*Festuca* spp. grass (dry), ether extractive	1	1	1	1	6	1	3
1815	31178-X	*Festuca* spp. grass (fresh), ethanol extractive of ether extracted marc	1	1	1	1	6	1	4
1816	31177-X	*Festuca* spp. grass (fresh), ether extractive	1	1	1	1	6	1	4
1817	31516	Formamide, *N*-(3,4-dimethoxyphenethyl)-	1	1	1	1	6	1	6
1818	21529	Formic acid, heptyl ester	1	1	1	1	6	1	6
1819	30585	Formic acid, nonyl ester	1	1	1	1	4	1	1
1820	30511	Formic acid, octadecyl ester	1	1	1	1	6	1	2
1821	32600	Formic acid, 10-undecenyl ester	1	1	1	1	3	.....	.....
1822	25335	Formic acid, vinyl ester	1	1	1	.....	.....	1	5
1823	32715	Fumaric acid, bis(2-bromoethyl) ester	1	1	1	1	4	.....	.....
1824	32716	Fumaric acid, diisobutyl ester	1	1	1	1	3	.....	.....
1825	32717	Fumaric acid, dipentyl ester	1	1	1	1	6	.....	.....
1826	25433	2-Furaldehyde, tetrahydro-	1	1	1	1	5	.....	.....
1827	25060	Furan, 2,5-diethoxytetrahydro-	1	1	1	.....	.....	1	5
1828	23593	Furan, 2,5-diethyltetrahydro-2,5-dimethyl-	1	1	1	1	4	1	6
1829	24245	Furan, 2-methyl-	1	1	1	1	4	.....	.....
1830	18224	Furan, 2-(2-nitrovinyl)-	1	1	1	3	2	.....	.....
1831	30795	Furan, tetrahydro-2-(methoxymethyl)-	1	1	1	1	5	.....	.....
1832	25425	Furan, tetrahydro-2-methyl-	1	1	1	1	6	.....	.....
1833	703	2-Furanacrolein	1	1	1	1	2	.....	.....
1834	3662	2-Furanacrylic acid	1	.....	.....	.....	.....	1	5
1835	5863	2-Furanacrylic acid, 2-ethoxyethyl ester	1	.....	.....	.....	.....	1	4
1836	14772	2-Furanacrylic acid, ethyl ester	1	1	1	2	0	.....	.....
1837	25427	2-Furanpropanol	1	1	1	1	3	.....	.....
1838	11016	Furfuryl alcohol, acetate	1	1	1	1	6	1	4
1839	21209	Furfuryl alcohol, tetrahydro-, acetate	1	1	1	1	5	1	2
1840	30486	Furfuryl alcohol, tetrahydro-, formate	1	1	1	1	6	1	3
1841	25428	Furfurylamine	1	1	1	1	6	.....	.....
1842	25429	Furfurylamine, tetrahydro-	1	1	1	1	6	.....	.....
1843	16500	2-Furoic acid	1	1	1	1	5	.....	.....
1844	23056	2-Furoic acid, ethyl ester	1	1	1	1	6	.....	.....
1845	6109	2-Furoic acid, furfuryl ester	1	1	1	1	6	1	3
1846	23585	2-Furoic acid, methyl ester	1	1	1	1	6	.....	.....
1847	26116	2-Furoic acid, nickel derivative	1	1	1	1	6	1	4
1848	25431	2-Furoic acid, 5-(chloromethyl)-, ethyl ester	1	1	1	2	3	1	6
1849	25435	2-Furoic acid, tetrahydro-	1	1	1	1	5	.....	.....
1850	25432	2-Furoic acid, tetrahydro-, ethyl ester	1	1	1	1	4	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1851	21717-X	*Galipea officinalis* bark, ethanol extractive	1	1	1	1	6	1	5
1852	21719-X	*Gaultheria procumbens*, ethanol extractive	1	1	1	1	6	1	6
1853	1978	Geraniol, formate	1	1	1	1	4	1	1
1854	26084	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, acetate	1	1	1	1	3	.....	.....
1855	26259	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, acetoacetate	1	1	1	1	4	.....	.....
1856	26261	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, methylhydrazone	1	1	1	1	4	.....	.....
1857	26258	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, oxime	1	1	1	1	4	.....	.....
1858	26260	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, semicarbazide	1	1	1	1	4	.....	.....
1859	26262	Glutarimide, 3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-, thiosemicarbazide	1	1	1	1	5	.....	.....
1860	26165	Glycidaldehyde	1	1	1	1	6	.....	.....
1861	26113	Glycine, nickel derivative	1	1	1	1	5	.....	.....
1862	21138	Guaiacol, 6-allyl-, acetate	2	1	1	4	5	2	3
1863	40055	Gypsy moth bodies, ether extractive of methanol extract	1	1	1	1	6	.....	.....
1864	21442	*Hagenia abyssinica* flowers, ethanol extractive	1	1	1	1	6	1	5
1865	32050	*Heliopsis parvifolia* foliage, ethanol extractive	1	1	1	1	5	1	6
1866	32049-X	*Heliopsis parvifolia* foliage, ethyl ether extractive	1	1	1	1	4	1	4
1867	32114	1,1-Heptanediol, diacetate	1	1	1	1	4	1	6
1868	30742	Heptanoic acid, benzyl ester	1	1	1	1	4	1	3
1869	30741	Heptanoic acid, 2-bromoethyl ester	1	1	1	1	4	1	1
1870	30745	Heptanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	4	1	3
1871	30750	Heptanoic acid, 2-butoxyethyl ester	1	1	1	1	4	1	3
1872	30738	Heptanoic acid, butyl ester	1	1	1	1	5	1	6
1873	30740	Heptanoic acid, 2-chloroethyl ester	1	1	1	1	5	1	5
1874	30743	Heptanoic acid, cyclohexyl ester	1	1	1	1	4	1	2
1875	30749	Heptanoic acid, cyclopentyl ester	1	1	1	1	4	1	1
1876	30748	Heptanoic acid, phenethyl ester	1	1	1	1	6	1	6
1877	30737	Heptanoic acid, propyl ester	1	1	1	1	5	1	5
1878	30744	Heptanoic acid, tetrahydrofurfuryl ester	1	1	1	1	4	1	4
1879	23781	1-Heptanol, 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoro-	1	1	1	1	5	.....	.....
1880	31300	1-Heptanol, 2-propyl-, acetate	1	1	1	1	4	1	4
1881	31354	1-Heptanol, 2-propyl-, benzoate	1	1	1	1	5	1	2
1882	31303	1-Heptanol, 2-propyl-, formate	1	1	1	1	4	1	4
1883	21994	3-Heptanol	1	1	1	1	6	1	4
1884	24976	3-Heptanol, 3-ethyl-	1	1	1	.....	.....	1	4
1885	30249	2,4-Hexadien-1-ol	1	1	1	1	6	1	6
1886	32843	Hexamethylenimine, 1,1′-adipoyldi-	1	1	1	1	6	.....	.....
1887	32844	Hexamethylenimine, 1,1′-azelaoyldi-	1	1	1	1	4	.....	.....
1888	32808	Hexamethylenimine, 1-(*o*-chlorobenzoyl)-	1	1	1	1	6	.....	.....
1889	32883	Hexamethylenimine, 1-(*p*-ethoxyphenylsulfonyl)-	1	1	1	1	6	.....	.....
1890	32849	Hexamethylenimine, 1-hexanoyl-	1	1	1	1	5	.....	.....
1891	32840	Hexamethylenimine, 1-lauroyl-	1	2	2	1	6	.....	.....
1892	32885	Hexamethylenimine, 1-(*p*-methoxyphenylsulfonyl)-	1	1	1	1	6	.....	.....
1893	32841	Hexamethylenimine, 1-myristoyl-	1	2	2	1	6	.....	.....
1894	32839	Hexamethylenimine, 1-nonanoyl-	1	2	1	1	5	.....	.....
1895	32838	Hexamethylenimine, 1-octanoyl-	1	2	1	1	5	.....	.....
1896	32842	Hexamethylenimine, 1-oleoyl-	1	2	1	1	6	.....	.....
1897	32851	Hexamethylenimine, 1-palmitoyl-	1	1	2	1	6	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1898	32814	Hexamethylenimine, 1-(phenylsulfonyl)-	1	1	1	1	4	.....	.....
1899	32847	Hexamethylenimine, 1,1'-sebacoyldi-	1	1	1	1	6	.....	.....
1900	32880	Hexamethylenimine, 1-*m*-toluoyl-	1	1	1	1	6	.....	.....
1901	32871	Hexamethylenimine, 1-(*p*-tolylsulfonyl)-	1	1	1	1	6	.....	.....
1902	25312	Hexanal, 3-ethoxy-, diethyl acetal	1	1	1	1	4	1	3
1903	20211	Hexanamide, 2-cyano-5-methyl-2-propyl-	3	1	1	1	6	1	6
1904	24745	1,6-Hexanedial, 2,5-dimethyl-	1	1	1	1	5	1	6
1905	30487	1,3-Hexanediol, 2-ethyl-, diformate	1	1	1	1	6	1	4
1906	32652	Hexanoic acid, bornyl ester	1	1	1	1	5	.....	.....
1907	31023	Hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	4	1	4
1908	31070	Hexanoic acid, 4-*tert*-butylcyclohexyl ester	1	1	1	1	1	1	5
1909	32718	Hexanoic acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	4	.....	.....
1910	2296	Hexanoic acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	4	1	4
1911	31063	Hexanoic acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	4	1	4
1912	21397	Hexanoic acid, 2,3-dibromopropyl ester	1	1	1	1	6	1	6
1913	31118	Hexanoic acid, heptyl ester	1	1	1	1	3	1	4
1914	6351	Hexanoic acid, 5-hydroxypentyl ester	1	.....	.....	.....	.....	1	6
1915	31077	Hexanoic acid, 2-isopropylcyclohexyl ester	1	1	1	1	1	1	4
1916	31071	Hexanoic acid, 4-isopropylcyclohexyl ester	1	1	1	1	1	1	5
1917	31014	Hexanoic acid, 3-methoxybutyl ester	1	1	1	1	3	1	4
1918	32610	Hexanoic acid, 3-methoxypropyl ester	1	1	1	1	4	.....	.....
1919	31065	Hexanoic acid, 2-methylcyclohexyl ester	1	1	1	1	1	1	2
1920	21181	Hexanoic acid, (tetrahydropyran-2-yl)methyl ester	1	1	1	1	5	1	6
1921	32645	Hexanoic acid, 2,2,4-trimethylpentyl ester	1	1	1	1	4	.....	.....
1922	21373	Hexanoic acid, 2-bromo-, benzyl ester	1	1	1	1	6	1	4
1923	21391	Hexanoic acid, 2-bromo-, 2-bromoethyl ester	1	1	1	2	1	1	3
1924	21389	Hexanoic acid, 2-bromo-, 2-butoxyethyl ester	1	1	1	1	4	1	5
1925	21356	Hexanoic acid, 2-bromo-, butyl ester	1	1	1	1	6	1	6
1926	21357	Hexanoic acid, 2-bromo-, 2-chloroethyl ester	1	1	2	2	4	3	6
1927	21376	Hexanoic acid, 2-bromo-, cyclohexyl ester	1	1	1	1	2	1	6
1928	21971	Hexanoic acid, 2-bromo-, 3-methoxybutyl ester	1	1	1	1	6	1	5
1929	21377	Hexanoic acid, 2-bromo-, phenethyl ester	1	1	1	1	4	1	6
1930	21392	Hexanoic acid, 2-bromo-, 3-phenylpropyl ester	1	1	1	1	6	1	5
1931	21355	Hexanoic acid, 2-bromo-, propyl ester	1	1	1	1	6	1	6
1932	21390	Hexanoic acid, 2-bromo-, tetrahydrofurfuryl ester	1	1	1	1	5	1	5
1933	26138	Hexanoic acid, 2-ethyl-, nickel derivative	1	1	1	1	4	.....	.....
1934	24890	Hexanoic acid, 2-ethyl-, vinyl ester	4	1	1	1	5	1	6
1935	25038	Hexanoic acid, 3-hydroxy-, butyl ester	1	1	1	.....	.....	1	5
1936	26365	1-Hexanol, 2,3-epoxy-2-ethyl-	1	1	1	1	5	.....	.....
1937	30460	1-Hexanol, 2-ethyl-, formate	1	1	1	1	6	1	5
1938	23407	2-Hexanol, 2,5-dimethyl-	1	.....	.....	.....	.....	1	6
1939	24973	3-Hexanol, 3,5-dimethyl-	1	1	1	.....	.....	1	5
1940	7262	3-Hexanol, 2-nitro-	1	1	1	.....	.....	1	6
1941	24765	2-Hexanone, 1-phenyl-	1	1	1	1	5	2	1
1942	21936	3-Hexanone, 1-phenyl-	1	1	1	1	5	1	4
1943	24649	2-Hexenal	1	1	1	1	6	1	5
1944	24776	2-Hexenoic acid, 3,5-dimethyl-, methyl ester	1	1	1	1	4	1	6
1945	21919	1-Hexen-3-one, 1-phenyl-	1	1	1	1	6	1	2
1946	21995	5-Hexen-2-one	1	1	1	1	5	1	5
1947	26287	Hexylamine, 2-ethyl-	1	1	1	1	4	.....	.....
1948	14500	3-Hexyne-2,5-diol, 2,5-dimethyl-	1	.....	.....	.....	.....	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1949	21599-X	*Humulus lupulus*, ethyl ether extractive	1	1	1	1	6	1	6
1950	21981	Hydracrylic acid, 2-(*p*-methoxyphenyl)-2-phenyl-	1	1	1	1	6	1	5
1951	21362	*Hydrastis canadensis*, ethanol extractive	1	1	1	1	6	1	6
1952	32863	Hydrazine, 1,2-bis(*o*-ethoxybenzoyl)-	1	1	1	1	5	.....	.....
1953	32947	Hydrazine, 2,2-diethyl-1,1-di-*m*-toluoyl-	1	1	1	1	6	.....	.....
1954	32875	Hydrazine, 1,2-di-*m*-toluoyl-	1	1	1	1	6	.....	.....
1955	31909	Hydrocinnamic acid, *p*-hydroxy-	1	1	1	1	4	1	4
1956	24744	Hydrocoumarin, 6-methyl-	1	1	1	1	4	1	6
1957	11162	Hydroquinone, diacetate	1	1	1	1	3	1	5
1958	16292	2-Imidazolidinethione	1	1	1	1	5	1	4
1959	25426	Imidazoline, 2,4,5-trifuryl-	1	1	1	1	2	.....	.....
1960	20206	$\Delta^{3,\ alpha}$-Indolineacetamide, *alpha*-cyano-2-oxo-	1	1	1	1	6	1	6
1961	24983	Isatoic anhydride	1	1	1	.....	.....	1	5
1962	21884	*o*-Isobutyranisidide	1	1	1	1	0	1	1
1963	21893	*p*-Isobutyranisidide	1	1	1	1	1	1	2
1964	21626	Isobutyric acid, allyl ester	1	1	1	1	6	1	6
1965	30497	Isobutyric acid, 2-(allyloxy)-1-(chloromethyl)ethyl ester	1	1	1	1	3	1	0
1966	32649	Isobutyric acid, bornyl ester	1	1	1	1	5	.....	.....
1967	31060	Isobutyric acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	1	1	1	1	1	1	3
1968	21548	Isobutyric acid, *p*-bromophenyl ester	1	1	1	3	5	1	5
1969	21635	Isobutyric acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	5	1	6
1970	21634	Isobutyric acid, 2-butoxyethyl ester	1	1	1	1	6	1	5
1971	21665	Isobutyric acid, 4-*tert*-butyl-2-chlorophenyl ester	1	1	1	1	6	1	4
1972	30488	Isobutyric acid, 4-*tert*-butylcyclohexyl ester	1	1	1	1	5	1	0
1973	21663	Isobutyric acid, 2-butyloctyl ester	1	1	1	1	5	1	6
1974	30368	Isobutyric acid, 2-(*o*-*sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	3	1	6
1975	30372	Isobutyric acid, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	6
1976	21588	Isobutyric acid, *p*-*tert*-butylphenyl ester	1	1	1	2	2	1	4
1977	30367	Isobutyric acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	3	1	1
1978	21546	Isobutyric acid, *o*-chlorophenyl ester	1	1	1	1	1	1	6
1979	21547	Isobutyric acid, *p*-chlorophenyl ester	1	1	1	3	5	1	4
1980	21586	Isobutyric acid, *o*-cumenyl ester	1	1	1	3	6	1	3
1981	21587	Isobutyric acid, *p*-cumenyl ester	1	1	1	1	4	1	2
1982	30464	Isobutyric acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	6	1	3
1983	30465	Isobutyric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	6	1	5
1984	30735	Isobutyric acid, decyl ester	1	1	1	1	5	1	2
1985	30965	Isobutyric acid, 2,3-dibromo-1,1-dimethylpropyl ester	1	1	1	1	1	1	0
1986	32062	Isobutyric acid, 2,3-dibromopropyl ester	1	1	1	1	4	1	5
1987	21549	Isobutyric acid, 2,4-dichlorophenyl ester	1	1	1	3	4	3	3
1988	30170	Isobutyric acid, 2,4-dimethylbenzyl ester	1	1	1	1	6	1	3
1989	30510	Isobutyric acid, 1,2-dimethylethylene ester	1	1	1	1	6	1	3
1990	30919	Isobutyric acid, 2,2-dimethylpentyl ester	1	1	1	1	5	1	3
1991	21633	Isobutyric acid, 2-ethoxyethyl ester	1	1	1	1	6	1	6
1992	21865	Isobutyric acid, *alpha*-ethylbenzyl ester	1	1	1	1	1	1	2
1993	21636	Isobutyric acid, 2-ethylbutyl ester	1	1	1	1	6	1	6
1994	21637	Isobutyric acid, 2-ethylhexyl ester	1	1	1	1	6	1	5
1995	21550	Isobutyric acid, *m*-ethylphenyl ester	1	1	1	2	2	1	5
1996	21565	Isobutyric acid, *p*-ethylphenyl ester	1	1	1	2	3	1	2
1997	21506	Isobutyric acid, heptyl ester	1	1	1	1	6	1	6
1998	32677	Isobutyric acid, 2-isopropylcyclohexyl ester	1	1	1	1	4	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
1999	21924	Isobutyric acid, 3-methoxybutyl ester	1	1	1	1	6	1	3
2000	21630	Isobutyric acid, 2-methoxyethyl ester	1	1	1	1	6	1	6
2001	30365	Isobutyric acid, 2-methoxy-1-methylethyl ester	1	1	1	1	3	1	6
2002	21877	Isobutyric acid, *m*-methylbenzyl ester	1	1	1	1	5	2	3
2003	30502	Isobutyric acid, 4-methylcyclohexyl ester	1	1	1	1	6	1	1
2004	21664	Isobutyric acid, 1-methylheptyl ester	1	1	1	1	6	1	6
2005	30509	Isobutyric acid, 1-methyltrimethylene ester	1	1	1	1	6	1	4
2006	21566	Isobutyric acid, 1-naphthyl ester	1	2	1	2	2	2	0
2007	21569	Isobutyric acid, 2-naphthyl ester	1	1	1	1	6	1	4
2008	30455	Isobutyric acid, 1-naphthylmethyl ester	1	1	1	1	4	2	1
2009	30670	Isobutyric acid, *p*-nonylphenyl ester	1	1	1	1	5	1	6
2010	32087	Isobutyric acid, 5-norbornen-2-ylmethyl ester, *endo-* and *exo-*	1	1	1	1	4	1	6
2011	31007	Isobutyric acid, piperonyl ester	1	1	1	1	2	1	2
2012	6018	Isobutyric acid, propyl ester	1	1	1	1	6	1	4
2013	31306	Isobutyric acid, 2-propylheptyl ester	1	1	1	1	4	1	5
2014	30513	Isobutyric acid, 2,3,4,6-tetrachlorophenyl ester	1	1	1	2	2	1	2
2015	21182	Isobutyric acid, (tetrahydropyran-2-yl)-methyl ester	1	1	1	1	6	1	6
2016	30731	Isobutyric acid, *p*-(1,1,3,3-tetramethylbutyl)-phenyl ester	1	1	1	1	3	1	4
2017	30503	Isobutyric acid, thymyl ester	1	1	1	1	1	1	1
2018	21567	Isobutyric acid, *m*-tolyl ester	1	1	1	2	2	2	2
2019	21544	Isobutyric acid, *o*-tolyl ester	1	1	1	3	6	1	5
2020	21545	Isobutyric acid, *p*-tolyl ester	1	1	1	2	2	1	6
2021	21580	Isobutyric acid, 2,4,5-trichlorophenyl ester	1	1	1	2	0	2	1
2022	32644	Isobutyric acid, 2,2,4-trimethylpentyl ester	1	1	1	1	5	.....	.....
2023	32603	Isobutyric acid, 10-undecenyl ester	1	1	1	1	4	.....	.....
2024	30899	Isobutyric acid, undecyl ester	1	1	1	1	5	1	4
2025	21894	*o*-Isobutyrophenetidide	1	1	1	1	1	1	2
2026	21883	*m*-Isobutyrotoluidide	1	1	1	1	2	1	1
2027	21882	*p*-Isobutyrotoluidide	1	1	1	1	2	1	1
2028	25034	Isophthalonitrile	1	1	1	.....	.....	1	2
2029	30595	Isovaleric acid, 2-bromoethyl ester	1	1	1	1	0	1	6
2030	31477	Isovaleric acid, *p*-bromophenyl ester	1	1	1	1	6	1	6
2031	30594	Isovaleric acid, 2-chloroethyl ester	1	1	1	1	4	1	6
2032	31425	Isovaleric acid, *p*-chlorophenyl ester	1	1	1	1	6	1	6
2033	31021	Isovaleric acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	3	1	4
2034	31427	Isovaleric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	5	1	5
2035	30600	Isovaleric acid, cyclopentyl ester	1	1	1	1	4	1	3
2036	30988	Isovaleric acid, diester with *p*-xylene-*alpha*, *alpha'*-diol	1	1	1	1	4	1	4
2037	30389	Isovaleric acid, 2,4-dimethylbenzyl ester	1	1	1	1	6	1	5
2038	30141	Isovaleric acid, 3,4-dimethylbenzyl ester	1	1	1	1	6	1	5
2039	30976	Isovaleric acid, 2,2-dimethylpentyl ester	1	1	1	1	5	1	4
2040	21996	Isovaleric acid, ethyl ester	1	1	1	1	6	1	5
2041	31424	Isovaleric acid, *alpha*-ethylbenzyl ester	1	1	1	1	3	1	5
2042	31422	Isovaleric acid, *p*-methoxybenzyl ester	1	1	1	1	6	1	6
2043	21878	Isovaleric acid, *m*-methylbenzyl ester	2	1	1	1	5	2	3
2044	30598	Isovaleric acid, octyl ester	1	1	1	1	4	1	5
2045	30606	Isovaleric acid, phenethyl ester	1	1	1	1	5	1	4
2046	30608	Isovaleric acid, 3-phenylpropyl ester	1	1	1	1	5	1	2
2047	32091	Isovaleric acid, piperonyl ester	1	1	1	1	4	1	4
2048	24274	Isovaleric acid, *p*-tolyl ester	1	1	1	1	.....	.....	.....
2049	32329	Itaconic acid, bis-(2-bromoethyl) ester	1	1	1	1	4	1	4
2050	32328	Itaconic acid, bis-(2-chloroethyl) ester	1	1	1	1	3	1	3
2051	32330	Itaconic acid, bis-(2-methoxyethyl) ester	1	1	1	1	4	1	4
2052	32327	Itaconic acid, diallyl ester	1	1	1	1	4	4	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2053	15511	Itaconic acid, dibutyl ester	1	1	1	1	5	1	3
2054	32326	Itaconic acid, diisobutyl ester	1	1	1	1	4	1	4
2055	32325	Itaconic acid, diisopropyl ester	1	1	1	1	4	1	4
2056	32324	Itaconic acid, dipropyl ester	1	1	1	1	4	2	3
2057	44563	Ketone, methyl 2,3-dihydro-2-isopropenyl-5-benzofuranyl (Tremetone)	1	1	1	1	3	.....	.....
2058	21510-X	*Krameria* spp. root, ethanol extractive	1	1	1	1	6	1	6
2059	31999	Lauric acid, 2-bromoethyl ester	1	1	1	1	4	1	4
2060	32006	Lauric acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	4	1	6
2061	32000	Lauric acid, *sec*-butyl ester	1	1	1	1	4	1	5
2062	32002	Lauric acid, *tert*-butyl ester	1	1	1	1	5	1	6
2063	32017	Lauric acid, cyclohexyl ester	1	1	1	1	4	1	6
2064	32004	Lauric acid, cyclopentyl ester	1	1	1	1	4	1	6
2065	32001	Lauric acid, isopentyl ester	1	1	1	1	4	1	6
2066	32003	Lauric acid, 2-methoxyethyl ester	1	1	1	1	4	1	6
2067	9518	Lauric acid, (2-methyl-1,3-dioxolan-4-yl)-methyl ester	1	1	1	1	5	1	6
2068	32005	Lauric acid, phenethyl ester	1	1	1	1	4	1	6
2069	31997	Lauric acid, propyl ester	1	1	1	1	4	1	5
2070	31998	Lauric acid, 2-propynyl ester	1	1	1	4	2	1	5
2071	41057	*Levisticum officinale* leaves, stems and fruits, ethanol extractive	1	1	1	1	5	.....	.....
2072	31928	Levulinic acid, 2-chloroethyl ester	1	1	1	2	3	1	3
2073	3924	Levulinic acid, cyclohexyl ester	1	.....	.....	.....	.....	1	4
2074	31915	Levulinic acid, isobutyl ester	1	1	1	1	5	1	5
2075	31914	Levulinic acid, isopropyl ester	1	1	1	1	5	1	5
2076	26114	Levulinic acid, nickel derivative	1	1	1	1	4	.....	.....
2077	31913	Levulinic acid, propyl ester	1	1	1	1	5	1	5
2078	26144	Linoleic acid, nickel derivative	1	1	1	1	5	.....	.....
2079	21516-X	*Lycopersicum esculentum* leaves, ethanol extractive	1	1	1	1	5	1	6
2080	21515-X	*Lycopersicum esculentum* leaves, ethyl ether extractive	1	1	1	1	6	1	6
2081	21514-X	*Lycopersicum esculentum* roots, ethanol extractive	1	1	1	1	5	1	5
2082	21513-X	*Lycopersicum esculentum* roots, ethyl ether extractive	1	1	1	1	5	1	5
2083	41083	*Magnolia virginiana* leaves, ethanol extractive	1	1	1	1	5	.....	.....
2084	41082	*Magnolia virginiana* leaves, ethyl ether extractive	1	1	1	1	5	.....	.....
2085	32634	Maleamic acid, *N*-butyl-	1	1	1	1	4	.....	.....
2086	32778	Maleamic acid, *N*-carbamoyl-	1	1	1	1	6	.....	.....
2087	32635	Maleamic acid, *N*-isobutyl-	1	1	1	1	5	.....	.....
2088	32766	Maleamic acid, *N*-isopropyl-	2	1	1	1	6	.....	.....
2089	3599	Maleanilic acid	1	1	1	1	.....	.....	.....
2090	32941	Maleanilic acid, 3'-chloro-	1	1	1	1	6	.....	.....
2091	32957	Maleanilic acid, 2',4'-dimethyl-	1	1	1	1	5	.....	.....
2092	32940	Maleanilic acid, 2',5'-dimethyl-	1	1	1	1	6	.....	.....
2093	32888	Maleanilic acid, 4'-methoxy-	1	1	1	1	6	.....	.....
2094	32765	Maleanilic acid, 2'-methyl-	1	1	1	1	5	.....	.....
2095	32931	Maleanilic acid, 3'-methyl-	1	1	1	1	6	.....	.....
2096	32777	Maleanilic acid, 4'-methyl-	1	1	1	1	6	.....	.....
2097	32944	Maleimide, *N*-(*m*-chlorophenyl)-	1	1	3	1	5	.....	.....
2098	1186	Maleimide, *N*-phenyl-	.....	.....	.....	1	6	.....	.....
2099	32932	Maleimide, *N*-*m*-tolyl-	1	1	2	2	1	.....	.....
2100	2978	Maleimide, *N*-*o*-tolyl-	1	1	1	1	5	.....	.....
2101	32933	Maleimide, *N*-*p*-tolyl-	1	1	1	1	4	.....	.....
2102	21358	*Mallotus philippinensis* fruits, ethyl ether extractive (1)	1	1	1	1	6	1	3
2103	21359	*Mallotus philippinensis* fruits, ethyl ether extractive (2)	1	1	1	1	4	1	5
2104	656	Malonic acid, diethyl ester	1	1	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
2105	5688	Malonic acid, piperonylidene-, diethyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 4	*Class* 1	*Rating* 4
2106	21297	Mandelic acid, 2,4-dimethyl-, ethyl ester	1	2	1	1	6	1	6
2107	21298	Mandelonitrile, 2,4-dimethyl-	1	3	1	1	6	1	6
2108	22167	Melamine, N^2,N^2-diallyl-	1	1	1	1	2	.....	.....
2109	31436-X	*Melia azedarach* leaves and stems, watery distillate from ethanol extract	1	1	1	1	3	1	6
2110	31432-X	*Melia azedarach* molded leaves and stems, ethanol extractive of previous water extract	1	1	1	1	6	1	4
2111	31440-X	*Melia azedarach* molded leaves and stems, water extract	1	1	1	1	4	1	5
2112	31430-X	*Melia azedarach* molded new berries, ethanol extractive of previous water extract	1	1	1	1	4	1	4
2113	31439-X	*Melia azedarach* molded new berries, water extract	1	1	1	1	6	1	4
2114	31431-X	*Melia azedarach* molded old bark, ethanol extractive of previous water extract	1	1	1	1	6	1	5
2115	31437-X	*Melia azedarach* molded old bark, water extract	1	1	1	1	6	1	6
2116	31429-X	*Melia azedarach* molded old berries, ethanol extractive of previous water extract	1	1	1	1	3	1	6
2117	31438-X	*Melia azedarach* molded old berries, water extract	1	1	1	1	5	1	6
2118	31435-X	*Melia azedarach* new bark, watery distillate from ethanol extract	1	1	1	1	6	1	6
2119	31434-X	*Melia azedarach* new berries, watery distillate from ethanol extract	1	1	1	1	6	1	6
2120	31433-X	*Melia azedarach* old berries, watery distillate from ethanol extract	1	1	1	1	3	1	6
2121	26044	*p*-Menthane, 1,2:8,9-diepoxy-	1	1	1	1	4	1	4
2122	24709	*p*-Menthane-1,2-diol	2	1	1	1	6	1	6
2123	24710	*p*-Menthane-2,3-diol	2	1	1	1	5	1	4
2124	24711	*p*-Menthane-3,4-diol	1	1	1	1	5	1	5
2125	11106	*p*-Menthan-3-one	1	1	1	.....	.....	1	6
2126	26036	*alpha*^{1},*alpha*^{3},*alpha*^{5}-Mesitylenetriol, 2-hydroxy-	1	1	1	1	6	.....	.....
2127	15724	Methacrylic acid (glacial)	1	1	1	1	6	1	4
2128	25420	Methacrylic acid, butyl ester	1	1	1	1	6	.....	.....
2129	8765	Methacrylic acid, dodecyl ester	1	1	1	1	6	1	4
2130	25421	Methacrylic acid, ethyl ester	1	1	1	1	3	.....	.....
2131	25419	Methacrylic acid, hexyl ester	1	1	1	1	6	.....	.....
2132	25418	Methacrylic acid, octadecyl ester	1	1	1	1	5	.....	.....
2133	21627	Methane, bis(*o*-chlorophenyl)-	2	1	1	1	1	1	3
2134	26443-X	Methane, dixylyl-	1	1	1	1	6	.....	.....
2135	24981-X	Methanearsonic acid, disodium salt	1	1	2	.....	.....	1	5
2136	32392	Methanediol, dibenzoate	1	1	1	1	3	1	4
2137	32921	Methanesulfonic acid, dodecyl ester	1	1	1	1	5	.....	.....
2138	26046	4,7-Methanoindan, 1,2:5,6-diepoxyhexahydro-, *endo*-	1	1	1	1	2	1	2
2139	18551	4,7-Methanoinden-5 (or 6)-ol, 3a,4,5,6,7,7a-hexahydro-, formate	1	1	1	1	0	1	1
2140	25719	1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalene, dodecachloroöctahydro-(mirex)	1	2	1	3	4	.....	.....
2141	24875	1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalen-2-ol, 1,1a,3,3a,4,5,5,5a,5b,6-decachloroöctahydro-	4	1	1	4	3	1	2
2142	24876	1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalen-2-ol, 1,1a,3,3a,4,5,5,5a,5b,6-decachloroöctahydro-, acetate	4	1	1	2	5	1	6
2143	24877	1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalen-2-ol, 1,1a,3,3a,4,5,5,5a,5b,6-decachloroöctahydro-, *p*-toluenesulfonate	2	1	1	1	6	1	6
2144	16391	1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalen-2-one, decachloroöctahydro-(Kepone)	1	1	1	4	2	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2145	16053	*p*-Menth-1-en-3-one	1			1	5	2	3
2146	26172	Methyl trisulfide	1	1	1	1	4		
2147	41027	*Mirabilis jalapa* leaves, stems, and inflorescence, alcohol extractive	2	1	1	1	4		
2148	23546	Morpholine, 4-(chloroacetyl)-	1	1	1	1	2	1	4
2149	32532	Morpholine, 4-(dichloroacetyl)-	1	1	1	1	4	1	3
2150	30007	Morpholine, 4-(2,4-dinitrophenyl)-	1	1	1	1	2	1	3
2151	30017	Morpholine, 4-(phenylsulfonyl)-	1	1	1	1	3	1	3
2152	31638	Morpholine, 4-*m*-toluoyl-	1	1	1	1	6	1	5
2153	20457	Morpholine, 4-*o*-toluoyl-	1	1	1	1	6	1	4
2154	31639	Morpholine, 4-*p*-toluoyl-	1	1	1	1	6	1	4
2155	23567	4-Morpholineëthanol, acetate	1	1	1	1	6	1	6
2156	21384	*Myrica cerifera* wax	1	1	1	1	5	1	4
2157	32096	Myristic acid, isobutyl ester	1	1	1	1	4	1	4
2158	32099	Myristic acid, isopentyl ester	1	1	1	1	4	1	4
2159	26142	Myristic acid, nickel derivative	1	1	1	1	3		
2160	21650-X	*Myristica fragrans* nuts, ethyl ether extractive	1	1	1	1	6	1	6
2161	32323	1-Naphthaleneacetic acid, allyl ester	1	2	1	1	6	1	4
2162	32103	1-Naphthaleneacetic acid, 2-bromoethyl ester	1	1	1	1	3	1	4
2163	32100	1-Naphthaleneacetic acid, butyl ester	1	1	1	1	4	1	4
2164	32102	1-Naphthaleneacetic acid, 2-chloroethyl ester	1	1	1	1	3	1	4
2165	32101	1-Naphthaleneacetic acid, isobutyl ester	1	1	1	1	4	1	4
2166	32098	1-Naphthaleneacetic acid, isopropyl ester	1	1	1	1	4	1	4
2167	32104	1-Naphthaleneacetic acid, 2-methoxyethyl ester	1	2	1	1	4	1	4
2168	32097	1-Naphthaleneacetic acid, propyl ester	1	1	1	1	4	1	4
2169	32719	1-Naphthaleneacetic acid, 2-propynyl ester	1	1	1	4A	4		
2170	26061	1-Naphthaleneacetonitrile	1	1	1	1	5		
2171	32294	1-Naphthalenemethanediol, benzoate, 3,4-dichlorobenzoate	1	1	1	1	5	1	4
2172	32115	1-Naphthalenemethanediol, diacetate	1	1	1	1	4	1	4
2173	30292	2-Naphthalenemethanol, 3-methoxy-	1	1	1	1	5	1	3
2174	26118	Naphthalenesulfonic acid, dinonyl-, nickel derivative	1	1	1	1	5		
2175	26146-X	Naphthenic acid, nickel derivative	1	1	1	1	5		
2176	32740	1-Naphthoic acid, 2-bromoethyl ester	1	1	1	1	3		
2177	30700	1-Naphthoic acid, 2-bromo-4,5-methylenedioxyphenyl ester	1	1	1	1	5	1	5
2178	32741	1-Naphthoic acid, butyl ester	1	1	1	1	2		
2179	32742	1-Naphthoic acid, 2-chloroethyl ester	1	1	1	1	5		
2180	32743	1-Naphthoic acid, isobutyl ester	1	1	1	1	6		
2181	30445	1-Naphthoic acid, isopentyl ester	1	1	1	1	4	1	4
2182	30696	1-Naphthoic acid, 4,5-methylenedioxy-2-nitrophenyl ester	1	1	1	1	4	1	6
2183	32744	1-Naphthoic acid, pentyl ester	1	1	1	1	6		
2184	31050	1-Naphthoic acid, piperonyl ester	1	1	1	1	4	1	5
2185	31075	1-Naphthoic acid, 2,2,2-trifluoroethyl ester	1	1	1	1	4	1	4
2186	30207	2-Naphthoic acid, 3-(allyloxy)-, methyl ester	1	1	1	1	4	1	4
2187	30205	2-Naphthoic acid, 3-hydroxy-, methyl ester	1	1	1	1	3	1	4
2188	32846	2-Naphthol, 1-chloro-	1	1	1	1	6		
2189	26110	Nickel acetate	1	1	1	1	3		
2190	26109	Nickel formate	1	1	1	1	4	1	4
2191	21652-X	*Nigella sativa* seeds, ethyl ester extractive	2	1	1	1	6	1	6
2192	4859	Nonanal	1	1	1	1	6	1	1
2193	31924	Nonanal, dibutyl acetal	1	1	1	1	5	1	5
2194	25313-X	Nonanal, 8-methyl-	1	1	1	1	5	1	4
2195	5949	2,4-Nonanediol	1					1	4
2196	26107	Nonanoic acid, 2-cyanoethyl ester	1	1	1	1	6		

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2197	26105	Nonanoic acid, hydrazide	1	1	1	1	6	.....	.....
2198	25487	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-	1	1	1	1	5	.....	.....
2199	23782	1-Nonanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-	1	1	1	1	3	.....	.....
2200	14508	2-Nonanol, 5-ethyl-	1	1	1	1	1	1	0
2201	24778	3-Nonanol, 3-methyl-	1	1	1	1	6	1	6
2202	24932	3-Nonanol, 2-methyl-2-nitro-	1	1	1	1	6	1	6
2203	24928	3-Nonanol, 2-nitro-	1	1	1	1	6	1	3
2204	24780	2-Nonanone, 3-hydroxy-3-methyl-	1	1	1	1	6	1	6
2205	24783	2-Nonanone, 3-methyl-	1	1	1	1	5	1	6
2206	24775	3-Nonene, 3-nitro-	1	1	1	2	1	4	0
2207	25356-X	Nonylamine, 8-methyl- (mixed isomers)	1	1	1	.....	.....	1	4
2208	24777	1-Nonyn-3-ol, 3-methyl-	1	1	1	1	4	1	5
2209	24887	2,5-Norbornadiene	2	1	1	1	6	1	6
2210	26056	2-Norbornanecarboxylic acid, 6-formyl-, ethyl ester	1	1	1	1	5	.....	.....
2211	30489	2-Norbornanol, 1,3,3-trimethyl-, formate	1	1	1	1	6	1	2
2212	25523	2-Norbornene, 5-butoxy-1,2,3,4,7,7-hexachloro-	1	1	1	.....	.....	1	4
2213	23447	2-Norbornene, 1,2,3,4,7,7-hexachloro-5-(dichloromethyl)-	3	4	4	4	0	4	4
2214	24872	5-Norbornene-2-carboxylic acid, butyl ester	2	1	1	1	4	4	2
2215	24874	5-Norbornene-2-carboxylic acid, ethyl ester	3	1	1	1	5	1	4
2216	24873	5-Norbornene-2-carboxylic acid, 3-methyl-, ethyl ester	2	1	1	1	4	3	2
2217	32356	5-Norbornene-2,3-dicarboximide, *N*-benzyl-x-methyl-, *cis-endo*-	1	1	1	1	4	1	5
2218	32347	5-Norbornene-2,3-dicarboximide, *N*-butyl-x-methyl-, *cis-endo*-	1	1	1	1	4	2	3
2219	32350	5-Norbornene-2,3-dicarboximide, *N-sec*-butyl-x-methyl-, *cis-endo*-	1	1	1	1	4	1	4
2220	32355	5-Norbornene-2,3-dicarboximide, *N*-cyclohexyl-x-methyl-, *cis-endo*-	1	1	1	1	4	1	4
2221	32437	5-Norbornene-2,3-dicarboximide, x,*N*-dimethyl-	1	1	1	1	5	1	5
2222	32354	5-Norbornene-2,3-dicarboximide, *N*-(2-ethylhexyl)-x-methyl-, *cis-endo*-	1	1	1	1	4	1	5
2223	32341	5-Norbornene-2,3-dicarboximide, *N*-ethyl-x-methyl-, *cis-endo*-	1	1	1	1	4	2	4
2224	32352	5-Norbornene-2,3-dicarboximide, *N*-hexyl-x-methyl-, *cis-endo*-	1	1	1	1	4	1	3
2225	32349	5-Norbornene-2,3-dicarboximide, *N*-isobutyl-x-methyl-, *cis-endo*-	1	1	1	1	4	1	3
2226	32342	5-Norbornene-2,3-dicarboximide, *N*-isopropyl-x-methyl-, *cis-endo*-	1	1	1	1	4	4	5
2227	32351	5-Norbornene-2,3-dicarboximide, x-methyl-*N*-(mixed) pentyl-, *cis-endo*-	1	1	1	1	4	1	3
2228	32365	5-Norbornene-2,3-dicarboximide, x-methyl-*N*-phenyl-, *cis-endo*-	1	1	1	1	4	1	5
2229	32442	5-Norbornene-2,3-dicarboximide, x-methyl-*N*-propyl-, *cis-endo*-	1	1	1	1	5	1	4
2230	1000	5-Norbornene-2,3-dicarboximide, *N*-pentyl-	1	1	1	1	2	1	4
2231	31485	5-Norbornene-2,3-dicarboxylic acid, 1,4,5,6,7,7,-hexchloro-, dibutyl ester	1	1	1	1	5	1	4
2232	31488	5-Norbornene-2,3-dicarboxylic acid, 1,4,5,6,7,7,-hexchloro-, diethyl ester	1	1	1	1	4	1	6
2233	31484	5-Norbornene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexchloro-, dipropyl ester	1	1	1	1	2	1	4
2234	32353	5-Norbornene-2,3-dicarboxylic acid, x-methyl-, dibutyl ester	1	1	1	1	4	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2235	32547	5-Norbornene-2,3-dicarboxylic acid, x-methyl-, *cis-endo*-, diisobutyl ester	1	1	1	1	4	.....	.....
2236	32421	5-Norbornene-2,3-dicarboxylic acid, x-methyl-, *cis-endo*-, dipropyl ester	1	1	1	1	4	1	4
2237	32080	5-Norbornene-2-methanol, *endo-exo*-, acetate	1	1	1	1	4	1	6
2238	32084	5-Norbornene-2-methanol, *endo-exo*-, formate	1	1	1	1	4	1	5
2239	26328	Octadecanoic acid, 9,10-epoxy-, allyl ester	1	1	1	1	6	.....	.....
2240	26145	Octadecanoic acid, 9,10-epoxy-, nickel derivative	1	1	1	1	4	.....	.....
2241	31081	Octanamide, *N*-butyl-	1	1	1	1	3	1	3
2242	31072	Octanamide, *N,N*-dibutyl-	1	1	1	1	2	1	2
2243	31056	Octanamide, *N,N*-diethyl-	1	1	1	1	0	1	0
2244	31066	Octanamide, *N,N*-dipropyl-	1	1	1	1	0	1	0
2245	31082	Octanamide, *N*-isobutyl-	1	1	1	1	2	1	3
2246	25054-X	Octane, 2,3-epoxy-	1	1	1	.....	.....	1	5
2247	24712	2,7-Octanediol, 2,6-dimethyl-	1	1	1	1	6	1	6
2248	26163	Octanethiol, nickel derivative	1	1	1	1	5	.....	.....
2249	30977	Octanoic acid, benzyl ester	1	1	1	1	5	1	3
2250	31002	Octanoic acid, 2-bromoethyl ester	1	1	1	2	1	1	2
2251	31055	Octanoic acid, *p*-bromophenyl ester	1	1	1	1	2	1	1
2252	30983	Octanoic acid, butyl ester	1	1	1	1	5	1	3
2253	30982	Octanoic acid, *sec*-butyl ester	1	1	1	1	5	1	2
2254	31004	Octanoic acid, *tert*-butyl ester	1	1	1	1	3	1	0
2255	30985	Octanoic acid, 2-chloroethyl ester	1	1	1	1	2	1	1
2256	31052	Octanoic acid, *o*-chlorophenyl ester	1	1	1	1	0	1	0
2257	31054	Octanoic acid, *p*-chlorophenyl ester	1	1	1	1	1	1	2
2258	30978	Octanoic acid, cyclohexyl ester	1	1	1	1	5	1	4
2259	31059	Octanoic acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	5	1	5
2260	31064	Octanoic acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	2	1	4
2261	31009	Octanoic acid, cyclopentyl ester	1	1	1	1	1	1	5
2262	31019	Octanoic acid, 2-ethylbutyl ester	1	1	1	1	1	1	2
2263	31016	Octanoic acid, 1-ethylpentyl ester	1	1	1	1	2	1	5
2264	31006	Octanoic acid, 1-ethylpropyl ester	1	1	1	1	3	1	3
2265	31018	Octanoic acid, heptyl ester	1	1	1	1	2	1	4
2266	31003	Octanoic acid, isobutyl ester	1	1	1	1	3	1	3
2267	30981	Octanoic acid, isopropyl ester	1	1	1	1	4	1	3
2268	31057	Octanoic acid, 2-methylcyclohexyl ester	1	1	1	1	3	1	4
2269	31375	Octanoic acid, 3,4-methylenedioxyphenyl ester	1	1	1	1	4	1	6
2270	32845	Octanoic acid, 2-naphthyl ester	1	1	1	1	4	.....	.....
2271	31017	Octanoic acid, octyl ester	1	1	1	1	3	1	4
2272	24295	Octanoic acid, pentyl ester	1	.....	.....	1	4	1	2
2273	31010	Octanoic acid, phenethyl ester	1	1	1	1	2	1	0
2274	31022	Octanoic acid, phenyl ester	1	1	1	1	3	1	2
2275	31008	Octanoic acid, piperonyl ester	1	1	1	1	4	1	3
2276	30979	Octanoic acid, propyl ester	1	1	1	1	4	1	3
2277	31025	Octanoic acid, *m*-tolyl ester	1	1	1	1	1	1	1
2278	31024	Octanoic acid, *o*-tolyl ester	1	1	1	1	3	1	1
2279	31049	Octanoic acid, *p*-tolyl ester	1	1	1	1	2	1	2
2280	25037	Octanoic acid, 3-hydroxy-, butyl ester	1	1	1	.....	.....	1	3
2281	30444	1-Octanol, 2-butyl-, formate	1	1	1	1	3	1	2
2282	30493	2-Octanol, formate	1	1	1	1	6	1	3
2283	23412	3-Octanol, 3,6-dimethyl-	1	1	1	1	6	1	6
2284	24782	5-Octen-3-ol, 3,6-dimethyl-	1	1	1	1	4	1	6
2285	24779	5-Octen-3-ol, 3,6-dimethyl-, acetate	1	1	1	1	6	1	6
2286	9552	6(or 7)-Octen-1-ol, 3,7-dimethyl-, *l*-	1	.....	.....	.....	.....	1	5
2287	205	6(or 7)-Octen-1-ol, 3,7-dimethyl-, *d*-, acetate	1	.....	.....	.....	.....	1	5
2288	24713	6-Octen-2-ol, 3,7-dimethyl-	2	1	1	1	6	1	4
2289	24714	6-Octen-2-one, 3,7-dimethyl-	2	1	1	1	6	1	6
2290	24794	1-Octyn-3-ol, 3-ethyl-, acetate	1	1	1	1	6	1	5
2291	21816-X	Oil, lemon	1	1	1	1	5	2	3
2292	32461	Oleic acid, allyl ester	1	1	1	1	4	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2293	32462	Oleic acid, isopropyl ester	1	1	1	1	4	1	4
2294	26143	Oleic acid, nickel derivative	1	1	1	1	2	1	4
2295	26171	Oleic acid, propyl ester	1	1	1	1	5	1	6
2296	32775	7-Oxabicyclo[2.2.1]hepta-2,5-diene-2-carboxylic acid, 3-(*p*-chlorophenylcarbamoyl)-	2	1	1	1	6	.....	.....
2297	32774	7-Oxabicyclo[2.2.1]hepta-2,5-diene-2,3-dicarboxylic anhydride	1	1	1	1	6	.....	.....
2298	26353	7-Oxabicyclo[4.1.0]heptane, 3-(epoxyethyl)-	1	1	1	1	6	.....	.....
2299	24998	7-Oxabicyclo[4.1.0.]heptane, 4-isopropenyl-1-methyl-	1	1	1	.....	.....	1	6
2300	26045	7-Oxabicyclo[4.1.0.]heptane, 3-vinyl-	1	1	1	1	4	1	4
2301	26364	7-Oxabicyclo[4.1.0.]heptane-3-carbonitrile	1	1	1	1	6	.....	.....
2302	32683	7-Oxabicyclo[2.2.1]heptane-2-carboxylic acid, 3-carbamoyl-	2	1	1	1	6	.....	.....
2303	32680	7-Oxabicyclo[2.2.1]heptane-2-carboxylic acid, 5,6-dibromo-3-(isobutylcarbamoyl)- and 7-Oxabicyclo[2.2.1]heptane-2,3-dicarboximide, *N*-isobutyl-	1	1	1	1	4	.....	.....
2304	25021	7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 4-methyl-, *sec*-butyl ester	1	.....	.....	.....	.....	1	6
2305	25314	7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 4-methyl-, (4-methyl-7-oxabicyclo-[4.1.0]hept-3-yl)methyl ester	1	1	1	1	4	1	5
2306	32681	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid, ethyl ester	1	1	1	1	6	.....	.....
2307	32854	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid, propyl ester	1	1	1	1	5	.....	.....
2308	32776	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic anhydride, 5,6-dichloro-	2	1	1	1	6	.....	.....
2309	26366	7-Oxabicyclo[4.1.0]heptane-3-methanol, 4-methyl-, acetate	1	1	1	1	6	.....	.....
2310	32772	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-(butylcarbamoyl)-	2	1	1	1	6	.....	.....
2311	32771	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-(*tert*-butylcarbamoyl)-	2	1	1	1	6	.....	.....
2312	32684	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-carbamoyl-	1	1	1	1	6	.....	.....
2313	32679	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-(isobutylcarbamoyl)- and 7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-isobutyl-	2	1	1	1	6	.....	.....
2314	32768	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-(phenylcarbamoyl)-	2	1	1	1	6	.....	.....
2315	32767	7-Oxabicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-(*o*-tolylcarbamoyl)-	2	1	1	1	6	.....	.....
2316	32821	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-amino-	1	1	1	1	6	.....	.....
2317	32833-X	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-amino-, glucose derivative	1	1	1	1	6	.....	.....
2318	32812	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-anilino-	1	1	1	1	4	.....	.....
2319	32836	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-cyclohexylideneamino-	1	1	1	1	6	.....	.....
2320	32879	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-dimethylamino-	1	1	1	1	6	.....	.....
2321	32834	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-(*o*-methoxybenzylideneamino)-	1	1	1	1	6	.....	.....
2322	32835	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-(1-naphthylmethyleneamino)-	1	1	1	1	5	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2323	32769	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-phenyl-	1	1	1	1	6	.....	.....
2324	32832	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-piperonylideneamino-	1	1	1	1	5	.....	.....
2325	32773	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-*m*-tolyl-	1	1	1	1	6	.....	.....
2326	32770	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboximide, *N*-*o*-tolyl-	1	1	1	1	5	.....	.....
2327	32678	7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride, *cis-endoxo*-	1	1	1	1	4	.....	.....
2328	32503	Oxalic acid, bis(2-bromoethyl) ester	1	1	1	1	5	1	4
2329	32505	Oxalic acid, bis(2-butoxyethyl) ester	1	1	1	1	4	1	6
2330	32502	Oxalic acid, bis(2-chloroethyl) ester	1	1	1	1	4	1	2
2331	32504	Oxalic acid, bis(2-methoxyethyl) ester	1	1	1	1	5	1	6
2332	32527	Oxalic acid, dibenzyl ester	1	1	1	1	4	1	4
2333	32501	Oxalic acid, dipropyl ester	1	1	1	1	4	1	4
2334	26424	3-Oxatricyclo[3.2.1.$0^{2,4}$]octane-6-carboxylic acid, ethyl ester	1	1	1	1	6	.....	.....
2335	32903	Oxazolidine, 2-(2-chloro-4,5-methylenedioxyphenyl)-3-ethyl-	1	1	1	1	5	.....	.....
2336	32917	Oxazolidine, 2-(*o*-chlorophenyl)-4,4-dimethyl-	1	1	1	1	4	.....	.....
2337	32919	Oxazolidine, 4,4-dimethyl-2-(3,4-methylenedioxyphenyl)-	1	1	1	1	6	.....	.....
2338	32905	Oxazolidine, 3-ethyl-2-hexyl-	1	1	1	1	6	.....	.....
2339	32925	Oxazolidine, 2-ethyl-3-isopropyl-	1	1	1	1	6	.....	.....
2340	32904	Oxazolidine, 3-ethyl-2-propyl-	1	1	1	1	6	.....	.....
2341	5696	Oxazolidine, 2-(*p*-methoxyphenyl)-4,4-dimethyl-	1	1	1	1	6	.....	.....
2342	21976	2-Oxazolin-5-one, 4-(6-chloropiperonylidene)-2-phenyl-	1	1	1	1	6	1	5
2343	21975	2-Oxazolin-5-one, 4-(*p*-methoxybenzylidene)-2-phenyl-	1	1	1	1	6	1	6
2344	41031	*Oxypolis filiformis* leaves, stems, and roots, alcohol extractive	1	4A	1	3	6	.....	.....
2345	31174-X	*Pachyrrhizus erosus* leaves, ethanol extractive of ether extracted marc	1	1	1	1	6	1	4
2346	31173-X	*Pachyrrhizus erosus* leaves, ethyl ether extractive	1	1	1	1	5	1	4
2347	31176-X	*Pachyrrhizus erosus* stems, ethanol extractive of ether extracted marc	1	1	1	1	6	1	4
2348	31175-X	*Pachyrrhizus erosus* stems, ethyl ether extractive	1	1	1	1	6	1	4
2349	31693	Palmitic acid, 2-ethyl-3-hydroxy-1-methylheptyl ester	1	1	1	1	4	1	4
2350	30269	Palmitic acid, 2-methoxy-1-methylethyl ester	1	1	1	1	4	1	5
2351	21385	*Papaver somniferum* seed, ethyl ether extractive	1	1	1	1	6	1	6
2352	32438	3-Pentadienone, 1,5-bis(*m*-hydroxyphenyl)-, *cis-trans*-, diacetate	1	1	1	1	5	1	6
2353	30492	1,3-Pentanediol, 2,2,4-trimethyl-, diformate	1	1	1	1	6	1	1
2354	6407	1,5-Pentanediol, diformate	1	1	1	1	5	1	2
2355	32415	2,4-Pentanediol, 2-methyl-, diacetate	1	1	1	1	6	1	4
2356	32414	2,4-Pentanediol, 2-methyl-, diformate	1	1	1	1	6	1	4
2357	26159	2,4-Pentanedione, nickel derivative	1	1	1	1	4	.....	.....
2358	25430	1,2,5-Pentanetriol, triacetate	1	1	1	1	5	.....	.....
2359	30915	1-Pentanol, 2,2-dimethyl-, benzoate	1	1	1	1	4	1	1
2360	21997	1-Pentanol, 2-methyl-	1	1	1	1	6	1	6
2361	23780	1-Pentanol, 2,2,3,3,4,4,5,5-octafluoro-	1	1	1	1	5	.....	.....
2362	26041	1-Pentanol, 2,2,4-trimethyl-	1	1	1	1	5	.....	.....
2363	14561	2-Pentanol, 4-methoxy-4-methyl-, acetate	1	1	1	1	3	.....	.....
2364	19593	3-Pentanol, benzoate	1	1	1	1	5	1	1
2365	7253	3-Pentanol, 4-methyl-2-nitro-	1	1	1	.....	.....	1	6
2366	24927	3-Pentanol, 2-nitro-	1	1	1	1	6	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2367	21916	3-Pentanol, 1-phenyl-	2	1	1	1	2	1	2
2368	32118	2-Pentanone	1	3	3	1	4	1	4
2369	23572	2-Pentanone, thiosemicarbazone	2	2	1	1	1	2	0
2370	26133	2-Pentanone, 4,4′-(ethylenedinitrilo)di-, nickel derivative	1	1	1	1	3	.....	.....
2371	11065	2-Pentanone, 4-methyl-1-phenyl-	1	2	1	1	6	2	1
2372	24796	2-Pentanone, 4-methyl-4-phenyl-	1	1	1	2	1	2	3
2373	24761	2-Pentanone, 1-phenyl-	1	1	1	1	6	4	1
2374	26134	2-Pentanone, 4,4′-(propylenedinitrilo)di-, nickel derivative	1	1	1	1	4	.....	.....
2375	24751	3-Pentanone, 1-(*p*-methoxyphenyl)-	1	1	1	1	2	2	2
2376	21937	3-Pentanone, 4-methyl-1-phenyl-	1	1	1	1	6	1	2
2377	21915	3-Pentanone, 1-phenyl-	2	1	1	1	2	1	5
2378	24690	4-Pentenal	1	.....	.....	1	5	1	6
2379	24764	2-Pentenoic acid, 2-benzoyl-, ethyl ester	1	1	1	1	6	1	6
2380	21250	1-Penten-3-one, 1-(*o*-methoxyphenyl)-	2	1	1	1	6	1	6
2381	21917	1-Penten-3-one, 4-methyl-1-phenyl-	1	1	1	1	6	1	2
2382	21909	1-Penten-3-one, 1-phenyl-	2	1	1	1	6	1	6
2383	15379-X	Pentylamine (mixed isomers)	1	1	1	.....	.....	1	4
2384	21366	*Petroselinum sativum* root, ethanol extractive	1	1	1	1	6	1	6
2385	23876	Phenethylamine, 3,4-dimethoxy-	1	1	1	1	6	1	6
2386	10056	Phenetole, 2-allyl-4-methyl-	1	.....	.....	.....	.....	1	3
2387	31448	Phenetole, *beta*-bromo-2-chloro-4,5-methylenedioxy-	1	1	1	1	2	1	6
2388	16797	Phenetole, 2,4-dinitro-	1	1	4	1	2	1	5
2389	30303	Phenol, 2-allyl-4,5-methylenedioxy-	1	1	1	1	5	1	4
2390	30616	Phenol, 2-bromo-4,5-methylenedioxy-, acetate	1	1	1	1	5	1	5
2391	30692	Phenol, 2-bromo-4,5-methylenedioxy-, benzoate	1	1	1	1	4	1	6
2392	21042	Phenol, 2-(2-butenyl)-4-methoxy-	1	1	1	1	5	1	5
2393	26292	Phenol, *o-tert*-butyl-	1	1	1	1	4	.....	.....
2394	31291	Phenol, 2-*tert*-butyl-6-isopropyl-	1	1	1	1	2	1	0
2395	30706	Phenol, 4-*tert*-butyl-2-*alpha*-methylbenzyl-, acetate	1	1	1	1	5	1	6
2396	157	Phenol, 2-cyclohexyl-4,6-dinitro-	1	4A	4A	4A	1	4A	2
2397	24996	Phenol, 2-cyclohexyl-4,6-dinitro-, dicyclohexylamine salt	1	1	1	4	2	4	1
2398	26293	Phenol, 2,6-di-*tert*-butyl-	1	1	1	1	4	.....	.....
2399	26295	Phenol, 2,6-diisopropyl-	1	1	1	1	2	.....	.....
2400	18550	Phenol, *o*-isopropyl-	1	1	1	1	4	.....	.....
2401	32249	Phenol, *p*-mercapto-	1	1	1	1	4	1	3
2402	796	Phenol, *m*-methoxy-	1	1	1	1	6	1	2
2403	30573	Phenol, *m*-methoxy-, acetate	1	1	1	1	6	1	3
2404	21991	Phenol, *o*-(2-methylallyl)-	1	1	1	1	6	1	5
2405	32384	Phenol, *p*-(4-methyl-*m*-dioxan-2-yl)-	1	1	2	1	4	1	4
2406	32375	Phenol, *m*-(4-methyl-1,3-dioxolan-2-yl)-, acetate	1	1	2	1	3	1	5
2407	25275	Phenol, 2,2′-methylenebis(4-ethyl-6-*tert*-butyl)-	1	1	1	1	4	.....	.....
2408	30617	Phenol, 4,5-methylenedioxy-2-nitro-, acetate	1	1	1	1	5	1	5
2409	30687	Phenol, 4,5-methylenedioxy-2-nitro-, benzoate	1	1	1	1	6	1	6
2410	496	Phenol, *p*-nitro-, acetate	1	1	1	1	4	1	4
2411	30672	Phenol, *p*-nonyl-, benzoate	1	1	1	1	5	1	6
2412	30726	Phenol, *p*-(1,1,3,3-tetramethylbutyl)-, acetate	1	1	1	1	3	1	1
2413	26155	Phenol, thiobis[4-octyl-, nickel derivative	1	1	1	1	6	.....	.....
2414	10564	Phenyl sulfide	1	1	1	4	1	.....	.....
2415	32720	Phthalaldehydic acid, allyl ester	1	1	1	2	2	.....	.....
2416	32745	Phthalaldehydic acid, benzyl ester	1	1	1	1	6	.....	.....
2417	32746	Phthalaldehydic acid, 2-bromoethyl ester	1	1	1	1	3	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2418	32747	Phthalaldehydic acid, 2-butoxyethyl ester	1	1	1	1	6		
2419	32721	Phthalaldehydic acid, butyl ester	1	1	1	1	6		
2420	32748	Phthalaldehydic acid, 2-chloroethyl ester	1	1	1	1	4		
2421	32749	Phthalaldehydic acid, hexyl ester	1	1	1	1	6		
2422	32750	Phthalaldehydic acid isobutyl ester	1	1	1	1	6		
2423	32751	Phthalaldehydic acid, isopentyl ester	1	1	1	1	6		
2424	32752	Phthalaldehydic acid, isopropyl ester	1	1	1	1	6		
2425	32753	Phthalaldehydic acid, 2-methoxyethyl ester	1	1	1	1	6		
2426	2863	Phthalaldehydic acid, methyl ester	1	1	1	1	6		
2427	32754	Phthalaldehydic acid, pentyl ester	1	1	1	1	6		
2428	32722	Phthalaldehydic acid, propyl ester	1	1	1	1	6		
2429	32755	Phthalaldehydic acid, 2-propynyl ester	1	2	1	3	4		
2430	32756	Phthalaldehydic acid, tetrahydrofurfuryl ester	1	1	1	1	4		
2431	26413	Phthalamic acid	1	1	1	1	6		
2432	25260	Phthalamic acid, *N*-allyl-, methyl ester	1	1	1	1	6	1	6
2433	31209	Phthalanilic acid	1	1	1	1	4	1	5
2434	32562	Phthalic acid, bis(2-bromoethyl) ester	1	1	1	1	4		
2435	32386	Phthalic acid, 3(and 4)-chloro-, bis(2-chloroethyl) ester	1	1	1	1	5	1	4
2436	32382	Phthalic acid, 3(and 4)-chloro-, dibutyl ester	1	1	1	1	5	1	4
2437	32383	Phthalic acid, 3(and 4)-chloro-, diisopropyl ester	1	2	2	1	5	1	5
2438	32373	Phthalic acid, 3(and 4)-chloro-, dipropyl ester	1	1	1	1	6	1	4
2439	32780	Phthalic acid, tetrachloro-, butyl methyl ester	1	1	1	1	6		
2440	32685	Phthalic acid, tetrachloro-, methyl ester	2	1	1	1	6		
2441	5785	Phthalide	1					1	4
2442	2419	Phthalimide, *N*-*sec*-butyl-	1					1	4
2443	32370	Phthalimide, *N*-butyl-3(or 4)-chloro-	1	1	1	1	5	1	4
2444	32364	Phthalimide, 3(or 4)-chloro-*N*-ethyl-	1	1	1	1	4	1	3
2445	32377	Phthalimide, 3(or 4)-chloro-*N*-isopropyl-	1	1	1	3	4	1	3
2446	32723	Phthalimide, 3(or 4)-chloro-*N*-methyl-	1	1	1	1	3		
2447	32464	Phthalimide, 3,4,5,6-tetrabromo-*N*-propyl-	1	1	1	1	4	1	6
2448	24502	2-Picoline, 1-oxide	1		1	1	6	1	6
2449	26125	4-Picoline, compex with nickel thiocyanate	1	1	1	1	4		
2450	32539	Pimelic acid, bis(2-bromoethyl) ester	1	1	2	1	4	1	3
2451	32494	Pimelic acid, bis(2-chloroethyl) ester	1	2	1	1	4	1	2
2452	32540	Pimelic acid, diallyl ester	1	1	1	1	3	1	3
2453	32537	Pimelic acid, dibutyl ester	1	1	1	1	4	1	6
2454	32549	Pimelic acid, diisopropyl ester	1	1	1	1	4		
2455	32541	Pimelic acid, dimethyl ester	1	1	1	1	4	1	4
2456	32492	Pimelic acid, dipropyl ester	1	1	1	1	6	1	4
2457	24997	Pinane, 2,3-epoxy-, *d*-	3	1	1			1	6
2458	25263	1-Pipecoline	1	1	1	1	6	1	5
2459	21519-X	*Piper angustifolium* leaves, ethyl ether extractive	1	1	1	1	6	1	6
2460	30378	Piperazine, 1,4-dipropionyl-	1	1	1	1	5	1	6
2461	25360	Piperazine, 1-methyl-	1	1	1			1	6
2462	26332	Piperazine, 1-phenyl-	1	1	1	1	6		
2463	25357	1-Piperazineëthanol	1	1	1			1	4
2464	32831	Piperidine, 1,1′-azelaoyldi-	1	1	1	1	5		
2465	23545	Piperidine, 1-(chloroacetyl)-	1	1	1	1	2	1	2
2466	32534	Piperidine, 1-(dichloroacetyl)-	1	1	3	1	4	1	3
2467	32882	Piperidine, 1-(*p*-ethoxyphenylsulfonyl)-	1	1	1	1	6		
2468	32848	Piperidine, 1-hexanoyl-	1	2	2	1	6		
2469	8009	Piperidine, 1-lauroyl-	1	2	3	1	6		
2470	32884	Piperidine, 1-(*p*-methoxyphenylsulfonyl)-	1	1	1	1	6		
2471	32828	Piperidine, 1-myristoyl-	1	2	2	1	6		
2472	32827	Piperidine, 1-nonanoyl-	1	1	1	1	6		

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2473	32826	Piperidine, 1-octanoyl-	1	2	1	1	6	.....	.....
2474	32829	Piperidine, 1-oleoyl-	1	2	1	1	5	.....	.....
2475	32850	Piperidine, 1-palmitoyl-	1	1	1	1	5	.....	.....
2476	30823	Piperidine, 1-(phenylsulfonyl)-	1	1	1	1	5	.....	.....
2477	32830	Piperidine, 1,1′-sebacoyldi-	1	1	1	1	4	.....	.....
2478	31642	Piperidine, 1-*m*-toluoyl-	1	1	1	1	5	1	6
2479	31641	Piperidine, 1-*o*-toluoyl-	1	1	1	1	5	1	5
2480	31640	Piperidine, 1-*p*-toluoyl-	1	1	1	1	5	1	4
2481	19955	Piperonal, diethyl acetal	1	.....	.....	.....	.....	1	5
2482	22262	Piperonal, oxime	1	1	1	1	5	1	4
2483	21175	Piperonal, 6-bromo-	1	1	1	1	6	1	6
2484	21540	Piperonal, 6-chloro-	1	1	1	1	5	1	6
2485	5703	Piperonyl alcohol, acetate	2	1	1	1	5	1	4
2486	20463	Piperonyl alcohol, *alpha-tert*-butyl-, acetate	1	1	1	1	1	1	.....
2487	21561	Piperonyl alcohol, 6-chloro-	1	1	1	1	4	1	6
2488	21873	Piperonyl alcohol, 6-chloro-, acetate	1	1	1	1	5	1	6
2489	20339	Piperonyl alcohol, *alpha*-isopropyl-, acetate	1	1	1	1	4	1	.....
2490	21885	Piperonyl alcohol, 6-nitro-, acetate	1	1	2	1	4	1	6
2491	20384	Piperonyl alcohol, *alpha*-pentyl-	2	1	1	1	1	1	.....
2492	20430	Piperonyl alcohol, *alpha*-(3-phenylpropyl)-	2	1	1	1	1	2	1
2493	21037	Piperonyl alcohol, *alpha*-(*o*-tolyl)-	1	1	1	1	4	1	.....
2494	21038	Piperonyl alcohol, *alpha*-(*o*-tolyl)-, acetate	1	1	1	1	3	1	.....
2495	21057	Piperonyl alcohol, *alpha*-(*p*-tolyl)-	1	1	1	1	6	1	5
2496	21039	Piperonyl alcohol, *alpha*-(*p*-tolyl)-, acetate	1	1	1	1	4	1	.....
2497	21907	Piperonylamide, *N*,*N*-diethyl-6-nitro-	1	1	1	1	2	1	3
2498	31370	Piperonylic acid, 6-chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	3	1	6
2499	21361	*Podophyllum peltatum* root, ethanol extractive	1	1	2	1	6	1	6
2500	21617	Propane, 2,2-dimethyl-1,1-di-*p*-tolyl-	1	1	1	1	5	1	6
2501	26040	Propane, 1,2,3-trichloro-	1	1	1	1	6	.....	.....
2502	26327	Propane, 1,1,3-tris(*x*-hydroxyphenyl)-	1	1	1	1	6	.....	.....
2503	25358	1,3-Propanediamine	1	1	1	.....	.....	1	5
2504	25437	1,3-Propanediamine, *N*,*N*-dibutyl-	1	1	1	1	5	.....	.....
2505	25440	1,3-Propanediamine, *N*,*N*-diethyl-	1	1	1	1	3	.....	.....
2506	25441	1,3-Propanediamine *N*,*N*-dimethyl-	1	1	1	1	3	.....	.....
2507	24347	1,3-Propanediamine, *N*-isopropyl-	1	1	1	1	3	.....	.....
2508	25443	1,3-Propanediamine, *N*-methyl-	1	1	1	1	5	.....	.....
2509	32152	1,2-Propanediol, 3-chloro-, diacetate	1	1	1	1	6	1	4
2510	32155	1,2-Propanediol, 3-chloro-, diformate	1	1	1	1	6	1	4
2511	25462	1,2-Propanediol, 3-mercapto-	1	1	1	1	4	.....	.....
2512	24947	1,2-Propanediol, 3-(*o*-methoxyphenoxy)-	1	.....	.....	.....	.....	1	4
2513	31074	1,2-Propanediol, 3-(3,4-methylenedioxyphenyl)-, diacetate	1	1	1	1	0	1	2
2514	6378	1,3-Propanediol, benzoate	1	1	1	1	5	1	5
2515	3775	1,3-Propanediol, 2-butyl-2-ethyl-	1	.....	.....	.....	.....	1	5
2516	30490	1,3-Propanediol, 2,2-dimethyl-, diformate	1	1	1	1	6	1	4
2517	26047	1,3-Propanediol, 2-ethyl-2-methyl-	1	1	1	1	4	.....	.....
2518	32428	1,3-Propanediol, 2-methyl-2-nitro-, diacetate	1	1	1	1	6	1	5
2519	24844	1,3-Propanediol, 2-methyl-2-propyl-	1	.....	.....	.....	.....	1	6
2520	25439	1-Propanol, 3-amino-	1	1	1	1	3	.....	.....
2521	26304	1-Propanol, 2,3-dibromo-	1	1	1	1	5	.....	.....
2522	32061	1-Propanol, 2,3-dibromo-, acetate	1	1	1	1	4	1	5
2523	32065	1-Propanol, 2,3-dibromo-, benzoate	1	1	1	1	4	1	5
2524	32063	1-Propanol, 2,3-dibromo-, formate	1	1	1	1	4	1	6
2525	30903	1-Propanol, 2,3-dibromo-1,1-dimethyl-, acetate	1	1	1	1	1	1	0
2526	31015	1-Propanol, 3-(3-phenoxypropoxy)-	1	1	1	1	1	1	3
2527	23784	1-Propanol, 2,2,3,3-tetrafluoro-	1	1	1	1	3	.....	.....
2528	30494	2-Propanol, 1-(allyloxy)-3-chloro-, acetate	1	1	1	1	4	1	1
2529	30491	2-Propanol, 1-(allyloxy)-3-chloro-, formate	1	1	1	1	4	1	4
2530	30433	2-Propanol, 1-(*p*-biphenylyloxy)-, acetate	1	1	1	1	4	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2531	30439	2-Propanol, 1-(*p*-biphenylyloxy)-, formate	1	1	1	1	4	1	5
2532	30418	2-Propanol, 1-(*o-sec*-butylphenoxy)-, acetate	1	1	1	1	4	1	1
2533	30421	2-Propanol, 1-(*o-sec*-butylphenoxy)-, formate	1	1	1	1	4	1	1
2534	30414	2-Propanol, 1-(*p-sec*-butylphenoxy)-, acetate	1	1	1	1	4	1	2
2535	30420	2-Propanol, 1-(*p-sec*-butylphenoxy)-, formate	1	1	1	1	4	1	1
2536	30423	2-Propanol, 1-(*p-tert*-butylphenoxy)-, formate	1	1	1	1	4	1	0
2537	30393	2-Propanol, 1-(*o*-chlorophenoxy)-, acetate	1	1	1	1	4	1	1
2538	30413	2-Propanol, 1-(*o*-chlorophenoxy)-, formate	1	1	1	1	2	1	1
2539	15573	2-Propanol, 1-methoxy-	1	1	1	.....	.....	1	4
2540	24934	2-Propanol, 2-methyl-1-nitro-	1	1	1	1	5	1	5
2541	32227	1-Propanone, 2-methyl-1-(quinolyl)-	1	1	1	1	4	1	4
2542	32180	2-Propanone, (*p*-chlorophenoxy)-	1	1	1	1	6	2	4
2543	21374	2-Propanone, (1-cyclohexen-1-yl)-	1	1	1	1	6	1	6
2544	24771	2-Propanone, (3-cyclohexen-1-yl)-	1	1	1	1	4	1	6
2545	24773	2-Propanone, cyclohexyl-	1	1	1	1	4	1	6
2546	22917	2-Propanone, hexachloro-	1	1	1	1	6	.....	.....
2547	30059	2-Propanone, (3,4-methylenedioxyphenyl)-	1	1	1	1	5	1	4
2548	24758	1-Propen-1-ol, 2-phenyl-, acetate	1	1	1	1	5	1	6
2549	2677	2-Propen-1-ol, 2-methyl-	1	1	1	1	6	1	6
2550	25036	Propionaldehyde, 2,2,3-trichloro-	1	1	1	.....	.....	1	2
2551	30339	Propionaldehyde, 2,2,3-trichloro-, diethyl acetal	1	1	1	1	4	1	6
2552	23568	Propionamide, *N-tert*-butyl-2-methyl-	1	1	1	1	4	1	6
2553	21870	Propionamide, *N,N*-diisobutyl-2-methyl-	1	1	1	1	0	1	0
2554	31512	Propionamide, *N*-(3,4-dimethoxyphenethyl)-	1	1	1	1	6	1	6
2555	21869	Propionamide, *N*-hexyl-2-methyl-	1	1	1	1	2	1	6
2556	21911	Propionamide, 2-methyl-*N,N*-dioctyl-	1	3	1	1	4	1	5
2557	21880	Propionamide, 2-methyl-*N*-(1-methylpentyl)-	1	1	1	1	3	1	6
2558	32930	Propionamide, *N*-2-thiazolyl-	1	1	1	1	2	.....	.....
2559	5794	Propionanilide, *N*-butyl-	1	1	1	1	3	1	6
2560	21871	Propionanilide, *N*-butyl-2-methyl-	1	1	1	1	0	1	1
2561	21671	Propionanilide, 2′-chloro-2-methyl-	1	1	1	1	4	1	6
2562	21895	Propionanilide, 3′-chloro-2-methyl-	1	1	1	1	2	1	3
2563	21903	Propionanilide, 4′-chloro-2-methyl-	1	1	1	1	1	1	1
2564	31382	Propionanilide, 3′,4′-dichloro-	1	1	1	1	5	1	5
2565	31409	Propionanilide, 3′,4′-dichloro-2-methyl-	1	1	1	1	2	1	4
2566	21904	Propionanilide, 2′,5′-dichloro-2-methyl-	1	1	1	1	4	1	2
2567	21868	Propionanilide, *N*,2-dimethyl-	1	1	1	1	0	1	1
2568	2638	Propionanilide, *N*-ethyl-2-methyl-	1	1	1	1	2	2	0
2569	30642	Propionanilide, 2-methyl-2′-nitro-	1	1	1	1	3	1	4
2570	21905	Propionanilide, 2-methyl-3′-nitro-	2	1	1	1	2	1	2
2571	21910	Propionanilide, 2-methyl-4′-nitro-	1	1	1	1	1	1	1
2572	30495	Propionic acid, 2-(allyloxy)-1-(chloromethyl)-ethyl ester	1	1	1	1	4	1	0
2573	24351	Propionic acid, bornyl ester	1	1	1	1	5	.....	.....
2574	31026	Propionic acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	1	1	1	1	4	1	3
2575	30663	Propionic acid, 2-bromo-4,5-methylenedioxyphenyl ester	1	1	1	1	4	1	6
2576	31417	Propionic acid, 6-bromopiperonyl ester	1	1	1	1	4	1	5
2577	30708	Propionic acid, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)phenyl ester	1	1	1	1	4	1	6
2578	30425	Propionic acid, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	2
2579	30415	Propionic acid, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	3	1	2
2580	30429	Propionic acid, 2-(*p-tert*-butylphenoxy)-1-methylethyl ester	1	1	1	1	4	1	1
2581	20061	Propionic acid, 2-*tert*-butyl-*p*-tolyl ester	1	1	1	1	0	1	0
2582	32153	Propionic acid, (chloromethyl)ethylene ester	1	1	1	1	6	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
2583	30394	Propionic acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 5	*Class* 1	*Rating* 1
2584	30733	Propionic acid, decyl ester	1	1	1	1	4	1	2
2585	30905	Propionic acid, 2,3-dibromo-1,1-dimethylpropyl ester	1	1	1	1	2	1	1
2586	21393	Propionic acid, 2,3-dibromopropyl ester	1	1	1	1	6	1	6
2587	32052	Propionic acid, diester with *p*-acetoxytoluene-*alpha,alpha*-diol	1	1	1	1	5	1	5
2588	32092	Propionic acid, diester with *cis-trans*-1,4-cyclohexanedimethanol	1	1	1	1	5	1	4
2589	32213	Propionic acid, diester with *trans*-1,2-cyclopentanediol	1	1	1	1	4	1	4
2590	21371	Propionic acid, diester with 4,6-dimethyl-*m*-xylene-*alpha,alpha'*-diol	1	1	1	1	6	1	4
2591	32113	Propionic acid, diester with *p*-isopropyltoluene-*alpha,alpha*-diol	1	1	1	2	4	1	4
2592	32136	Propionic acid, diester with 3,4-methylenedioxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	4
2593	32132	Propionic acid, diester with 1-naphthalenemethanediol	1	1	1	1	4	1	4
2594	32407	Propionic acid, diester with *cis-trans*-2,2,4,4-tetramethyl-1,3-cyclobutanediol	1	1	1	1	2	1	4
2595	32043	Propionic acid, *alpha,alpha*-dihydroxy-*m*-tolyl ester, diacetate	1	1	1	1	5	1	4
2596	32042	Propionic acid, *alpha,alpha*-dihydroxy-*p*-tolyl ester, diacetate	1	1	1	1	5	1	5
2597	21579	Propionic acid, 2,4-dimethylbenzyl ester	1	1	1	1	6	2	2
2598	21304	Propionic acid, 3,4-dimethylbenzyl ester	1	1	1	1	6	1	6
2599	32199	Propionic acid, (4,4-dimethyl-*m*-dioxan-5-yl)-methyl ester	1	1	1	1	5	1	4
2600	31852	Propionic acid, (2,2-dimethyl-1,3-dioxolan-4-yl)butyl ester	1	1	1	1	4	1	4
2601	31385	Propionic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	2	1	5
2602	30911	Propionic acid, 2,2-dimethylpentyl ester	1	1	1	1	4	1	4
2603	31452	Propionic acid, 2-(ethylthio)ethyl ester	1	1	1	1	3	1	5
2604	21504	Propionic acid, heptyl ester	1	1	1	1	4	1	6
2605	21922	Propionic acid, 3-methoxybutyl ester	1	1	1	1	5	1	5
2606	31898	Propionic acid, 2-methoxy-4-(3-oxobutyl)-phenyl ester	1	1	1	1	5	1	5
2607	15708	Propionic acid, 3-methoxypropyl ester	1	1	1	1	5	.....	.....
2608	30669	Propionic acid, 4,5-methylenedioxy-2-nitrophenyl ester	1	1	1	1	4	1	3
2609	26111	Propionic acid, nickel derivative	1	1	1	1	3	.....	.....
2610	32081	Propionic acid, 5-norbornen-2-ylmethyl ester, *endo-exo*-	1	1	1	1	4	1	6
2611	31834	Propionic acid, *p*-(3-oxobutyl)phenyl ester	1	1	1	1	4	1	4
2612	31301	Propionic acid, 2-propylheptyl ester	1	1	1	1	6	1	4
2613	21180	Propionic acid, (tetrahydropyran-2-yl)methyl ester	1	1	1	1	6	1	6
2614	30727	Propionic acid, *p*-(1,1,3,3-tetramethylbutyl)-phenyl ester	1	1	1	1	4	1	3
2615	30505	Propionic acid, thymyl ester	1	1	1	1	3	2	2
2616	32135	Propionic acid, triester with 4-hydroxy-3-methoxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	5
2617	32051	Propionic acid, triester with *m*-hydroxytoluene-*alpha,alpha*-diol	1	1	1	1	5	1	6
2618	32044	Propionic acid, triester with *p*-hydroxytoluene-*alpha,alpha*-diol	1	1	1	1	4	1	5
2619	32596	Propionic acid, 10-undecenyl ester	1	1	1	1	4	.....	.....
2620	30897	Propionic acid, undecyl ester	1	1	1	1	4	1	3
2621	24889	Propionic acid, vinyl ester	1	1	1	1	6	1	6
2622	21301	Propionic acid, 3-(2-benzothiazolylthio)-, propyl ester	1	3	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2623	21197	Propionic acid, 2-bromo-, benzyl ester	1	1	1	1	4	1	6
2624	32758	Propionic acid, 2-bromo-, bornyl ester	1	1	1	1	6	.....	.....
2625	21242	Propionic acid, 2-bromo-, 2-bromoethyl ester	2	1	1	1	4	1	6
2626	21239	Propionic acid, 2-bromo-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	5	1	6
2627	21238	Propionic acid, 2-bromo-, 2-butoxyethyl ester	1	1	1	1	3	1	6
2628	21278	Propionic acid, 2-bromo-, 2-*sec*-butylcyclo-hexyl ester	2	1	1	1	4	1	6
2629	21287	Propionic acid, 2-bromo-, 4-*sec*-butylcyclo-hexyl ester	1	1	1	1	5	1	5
2630	21299	Propionic acid, 2-bromo-, 2-(*p*-*tert*-butyl-phenoxy)ethyl ester	1	3	1	1	6	1	6
2631	21241	Propionic acid, 2-bromo-, 2-chloroethyl ester	2	1	1	2	1	1	6
2632	21243	Propionic acid, 2-bromo-, 2-chloro-1-methyl-ethyl ester	2	1	1	1	5	1	6
2633	32759	Propionic acid, 2-bromo-, (chloromethyl)-ethylene ester	1	1	1	1	6	.....	.....
2634	21248	Propionic acid, 2-bromo-, *p*-chlorophenethyl ester	2	1	1	1	5	1	6
2635	21307	Propionic acid, 2-bromo-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	3	1	1	6	1	6
2636	21332	Propionic acid, 2-bromo-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1	3	1	1	5	1	5
2637	21199	Propionic acid, 2-bromo-, cyclohexyl ester	1	1	1	2	1	1	6
2638	21236	Propionic acid, 2-bromo-, cyclopentyl ester	1	1	1	1	2	1	6
2639	21395	Propionic acid, 2-bromo-, 2,3-dibromopropyl ester	1	1	1	1	5	1	6
2640	21277	Propionic acid, 2-bromo-, 2-ethylbutyl ester	2	1	1	1	3	1	6
2641	21246	Propionic acid, 2-bromo-, ethylene ester	2	1	1	1	4	1	6
2642	21306	Propionic acid, 2-bromo-, 4-ethyl-1-methyl-octyl ester	1	2	1	3	5	1	6
2643	21237	Propionic acid, 2-bromo-, 1-ethylpentyl ester	2	1	1	3	5	1	6
2644	21207	Propionic acid, 2-bromo-, hexyl ester	1	1	1	1	1	1	6
2645	21927	Propionic acid, 2-bromo-, 3-methoxybutyl ester	1	1	1	1	1	1	1
2646	21208	Propionic acid, 2-bromo-, 2-methoxyethyl ester	1	1	1	1	4	1	6
2647	21294	Propionic acid, 2-bromo-, 2-methoxy-1-methylethyl ester	1	1	1	1	6	1	6
2648	21260	Propionic acid, 2-bromo-, 4-methylcyclo-hexyl ester	2	1	1	2	3	1	5
2649	21288	Propionic acid, 2-bromo-, octyl ester	1	1	1	1	6	1	6
2650	21305	Propionic acid, 2-bromo-, pentamethylene ester	2	3	1	2	1	1	6
2651	21240	Propionic acid, 2-bromo-, 2-phenoxyethyl ester	1	1	1	1	3	1	6
2652	21206	Propionic acid, 2-bromo-, tetrahydrofurfuryl ester	1	1	1	1	5	1	6
2653	21295	Propionic acid, 2-bromo-, tetramethylene ester	1	1	1	1	4	1	6
2654	32760	Propionic acid, 2-bromo-, 10-undecenyl ester	1	1	1	1	5	.....	.....
2655	30431	Propionic acid, 3-bromo-, ethyl ester	1	1	1	1	4	1	6
2656	21929	Propionic acid, 2-chloro-, 3-methoxybutyl ester	1	1	1	1	4	1	3
2657	21192	Propionic acid, 2-chloro-, (tetrahydropyran-2-yl)methyl ester	1	1	1	1	5	1	6
2658	21930	Propionic acid, 3-chloro-, 3-methoxybutyl ester	1	1	1	1	6	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
2659	21193	Propionic acid, 3-chloro-, (tetrahydropyran-2-yl)methyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 6	*Class* 1	*Rating* 6
2660	32908	Propionic acid, 3-[*p*-(*p*-chlorophenoxy)benzoyl]-	1	1	1	1	5		
2661	25273	Propionic acid, 2,3-dichloro-2-methyl-, sodium salt	1	1	1	1	4		
2662	30932	Propionic acid, 3-ethoxy-, 2,2-dimethylpentyl ester	1	1	1	1	5	1	2
2663	21507	Propionic acid, 3-ethoxy-, heptyl ester	1	1	1	1	4	1	6
2664	21928	Propionic acid, 3-ethoxy-, 3-methoxybutyl ester	1	1	1	1	6	1	3
2665	14472	Propionic acid, 3-ethoxy-, propyl ester	1	1	1	1	5	1	5
2666	21931	Propionic acid, 3-methoxy-, 3-methoxybutyl ester	1	1	1	1	6	1	4
2667	32446	Propionic acid, 3-methoxy-, tetramethylene ester	1	1	1	1	4	1	6
2668	30124	Propionic acid, 3-(*o*-methoxyphenyl)-2-phenyl-, methyl ester	1	1	1	1	4	1	5
2669	30113	Propionic acid, 3-(*p*-methoxyphenyl)-2-phenyl-, ethyl ester	1	1	1	1	5	1	6
2670	30101	Propionic acid, 3-(*p*-methoxyphenyl)-2-phenyl-, methyl ester	1	1	1	1	5	1	6
2671	30123	Propionic acid, 3-(3,4-methylenedioxyphenyl)-2-phenyl-, ethyl ester	1	1	1	1	4	1	5
2672	32907	Propionic acid, 3-(*p*-phenoxybenzoyl)-	1	1	1	1	4		
2673	25276	Propionic acid, 3,3′-thiodi-	1	1	1	1	5		
2674	8777	Propionitrile	1	1	1	1	6		
2675	32937	Propionitrile, 3-dibutylamino-	1	1	1	1	4		
2676	13185	Propionitrile, 3-diethylamino-	1	1	1	1	5		
2677	25451	Propionitrile, 3-dimethylamino-	1	1	1	1	3		
2678	32938	Propionitrile, 3-dipropylamino-	1	1	1	1	5		
2679	25450	Propionitrile, 3-ethoxy-	1	1	1	1	3		
2680	2147	Propionitrile, 3,3′-iminodi-	1	1	1	1	4		
2681	17772	Propionitrile, 3-isopropoxy-	1	1	1	1	4		
2682	25449	Propionitrile, 3-methoxy-	1	1	1	1	4		
2683	26057	Propionitrile, 3-methylamino-	1	1	1	1	5		
2684	26303	Propionitrile, 3,3′-(methylimino)di-	1	1	1	1	5		
2685	24894	Propionitrile, 3,3′-oxydi-	2	1	1	1	4	1	6
2686	16840	Propionitrile, 3,3′-thiodi-	1	1	1	1	2		
2687	10511	Propiophenone, oxime	1					1	3
2688	14053	Propiophenone, 4′-hydroxy-, acetate	1	1	1	1	5	1	5
2689	21874	Propiophenone, 4′-methoxy-3-(3,4-methylenedioxyphenyl)-	1	2	1	1	3	1	6
2690	25442	Propylamine, 3-isopropoxy-	1	1	1	1	6		
2691	25438	Propylamine, 3-methoxy-	1	1	1	1	3		
2692	41065	*Prunus ilicifolia* leaves, ethanol extractive	1	1	1	1	4		
2693	41064	*Prunus ilicifolia* leaves, ethyl ether extractive	1	1	1	1	4		
2694	41029	*Prunus maritima* leaves and stems, alcohol extractive	2	1	1	3	6		
2695	41028	*Prunus maritima* leaves and stems, ethyl ether extractive	1	1	1	2	2		
2696	41061	*Prunus pensylvanica* leaves and stems, ethanol extractive	1	1	1	1	6		
2697	41060	*Prunus pensylvanica* leaves and stems, ethyl ether extractive	1	1	1	1	4		
2698	41055	*Prunus virginiana* leaves, fruits and roots, ethanol extractive	1	1	1	1	6		
2699	41054	*Prunus virginiana* leaves, fruits and roots, ethyl ether extractive	1	1	1	1	5		
2700	31447	Pseudourea, 2-(6-bromopiperonyl)-2-thio-	1	1	1	1	2	1	6
2701	31446	Pseudourea, 2-(6-bromopiperonyl)-2-thio-, hydrochloride	1	1	1	1	6	1	4

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2702	31460	Pseudourea, 2-(2,4-dichlorobenzyl)-2-thio-	1	1	1	1	6	1	5
2703	23087	Pseudourea, 2-(2,4-dichlorobenzyl)-2-thio-, hydrochloride	1	1	1	1	4	1	6
2704	31456	Pseudourea, 2-(2,4-dimethylbenzyl)-2-thio-	1	1	1	1	5	1	6
2705	31457	Pseudourea, 2-(3,4-dimethylbenzyl)-2-thio-	1	1	1	1	6	1	6
2706	31455	Pseudourea, 2-(3,4-dimethylbenzyl)-2-thio-, hydrochloride	1	1	1	1	4	1	5
2707	24938	Pseudourea, 2-methyl-1,3-diphenyl-2-thio-	1	1	1	1	5	1	5
2708	26060	Pseudourea, 2-(1-naphthylmethyl)-2-thio-, hydrochloride	1	1	1	1	6	.....	.....
2709	24134-X	PVP Iodine 10	3	1	1	1	5	1	4
2710	30337	Pyran, 2-(2-allyl-4,5-methylenedioxyphenoxy)tetrahydro-	1	1	1	1	3	2	0
2711	31380	Pyran, 2-[2-(2-butoxyethoxy)ethoxy]tetrahydro-	1	1	1	1	4	1	4
2712	30005	Pyran, tetrahydro-2-(*p*-methoxyphenoxy)-	1	1	1	1	6	1	3
2713	20702	Pyran, tetrahydro-2-(piperonyloxy)-	1	.....	.....	.....	.....	1	2
2714	30238	Pyran, tetrahydro-2-(2-propynyloxy)-	1	1	1	1	5	1	6
2715	14307	Pyran-2-methanol, tetrahydro-	1	1	1	1	6	1	5
2716	21178	Pyran-2-methanol, tetrahydro-, acetate	3	1	1	1	6	1	6
2717	21196	Pyran-2-methanol, tetrahydro-, benzoate	1	1	1	1	5	1	6
2718	21190	Pyran-2-methanol, tetrahydro-, formate	1	1	1	1	6	1	6
2719	24752	2*H*-Pyran-2-methanol, 3,4-dihydro-	1	1	1	1	6	1	6
2720	21052	4*H*-Pyran-4-one, 5-hydroxy-2-(hydroxymethyl)-, 2-acetate	1	1	1	1	6	1	6
2721	21053	4*H*-Pyran-4-one, 2-(hydroxymethyl)-2-methoxy-, acetate	2	1	1	1	5	1	6
2722	25352-X	2*H*-Pyran-3,3,5,5-(4*H*,6*H*)-tetramethanol, 4-hydroxy-	1	1	1	.....	.....	1	4
2723	26108-X	2-Pyridineethanol, reaction product with nonanoyl chloride	1	1	1	1	6	.....	.....
2724	32864	Pyrrolidine, 1,1′-azelaoyldi-	1	1	1	1	4	.....	.....
2725	32852	Pyrrolidine, 1-hexanoyl-	1	1	1	1	6	.....	.....
2726	32857	Pyrrolidine, 1-lauroyl-	1	2	1	1	6	.....	.....
2727	32886	Pyrrolidine, 1-(*p*-methoxyphenylsulfonyl)-	1	1	1	1	6	.....	.....
2728	32866	Pyrrolidine, 1-myristoyl-	1	2	2	1	6	.....	.....
2729	32856	Pyrrolidine, 1-nonanoyl-	1	2	2	1	6	.....	.....
2730	32853	Pyrrolidine, 1-octanoyl-	1	1	1	1	6	.....	.....
2731	32867	Pyrrolidine, 1-palmitoyl-	1	1	3	1	5	.....	.....
2732	32815	Pyrrolidine, 1-(phenylsulfonyl)-	1	1	1	1	5	.....	.....
2733	32865	Pyrrolidine, 1,1′-sebacoyldi-	1	1	1	1	6	.....	.....
2734	32424	2-Pyrrolidinone, 1-acetyl-	1	1	1	1	4	1	5
2735	32427	2-Pyrrolidinone, 1-butyryl-	1	1	1	1	6	1	4
2736	32426	2-Pyrrolidinone, 1-propionyl-	1	1	1	1	6	1	6
2737	24547	4(3*H*)-Quinazolinone, 3-(2-diethylaminoethyl)-, dihydrobromide	1	1	1	1	6	1	5
2738	24555	Quinoline, 4-[(2-aminoethyl)amino]-7-chloro-	1	1	1	1	6	1	4
2739	32238	Quinoline, 1-(chloroacetyl)-1,2,3,4-tetrahydro-	1	2	1	1	5	1	4
2740	8942	Quinoline, 4,5-dichloro-3-methyl-	1	1	1	1	5	.....	.....
2741	21308	Quinoxaline	1	1	1	4	2	2	0
2742	31503	*beta*-Resorcylic acid, methyl ester	1	1	1	1	4	1	6
2743	21725-X	*Rosa centifolia* buds, ethanol extractive	1	1	1	1	6	1	5
2744	21603-X	*Rosmarinus officinalis* leaves, ethyl ether extractive	1	1	1	1	6	1	6
2745	21522-X	*Ruta graveolens*, ethanol extractive	1	1	1	1	6	1	6
2746	31885	Salicylaldehyde, acetate	1	1	1	1	3	1	4
2747	31400	Salicylaldehyde, 3-(2-methylallyl)-	1	1	1	4	3	1	3

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2748	9485	Salicylamide, *N*-butyl-	1	1	1	1	6	1	5
2749	16240	Salicylamide, *N*-propyl-	1	.....	.....	.....	.....	1	4
2750	2407	Salicylic acid	1	1	1	1	6	1	4
2751	517	Salicylic acid, benzyl ester	1	1	1	1	6	1	4
2752	26156	Salicylic acid, 2-ethylhexyl ester, nickel derivative	1	1	1	1	3	.....	.....
2753	5002	Salicylic acid, methyl ester, propionate	1	1	1	1	6	1	4
2754	8941	Salicylic acid, 2-thenyl ester	1	1	1	1	5	1	4
2755	25423	Salicylic acid, 5-*tert*-butyl-	1	1	1	1	5	.....	.....
2756	26121	Salicylimine, nickel derivative	1	1	1	1	3	.....	.....
2757	21605-X	*Sambucus canadensis* berries, ethanol extractive	1	1	1	1	6	1	6
2758	21453	*Sambucus canadensis* flowers, ethanol extractive	1	1	1	1	6	1	4
2759	41085	*Sassafras albidum* leaves and stems, ethanol extractive	1	1	1	1	4	.....	.....
2760	41084	*Sassafras albidum* leaves and stems, ethyl ether extractive	1	1	1	1	5	.....	.....
2761	40101-X	Screwworm pupae, chromatographic methanol extract	1	1	1	2	4	.....	.....
2762	23985	Senecioic acid	1	1	1	1	6	.....	.....
2763	20356	Senecioic acid, allethrolonyl ester	1	1	1	1	5	1	.....
2764	32913	Senecioic acid, ethyl ester	1	1	1	1	6	.....	.....
2765	32916	Senecioic acid, octyl ester	1	1	1	1	6	.....	.....
2766	21526-X	*Serenoa repens* berries, ethanol extractive	1	1	1	1	4	1	5
2767	21525-X	*Serenoa repens* berries, ethyl ether extractive	1	1	1	1	6	1	6
2768	21101	Sesamol, acetate	1	1	1	1	6	2	1
2769	21112	Sesamol, benzoate	1	1	1	1	6	1	6
2770	25391	Silica, colloidal	3	1	1	1	3	1	6
2771	25549	Silica, fine	4	1	1	1	4	1	4
2772	25550	Silicon dioxide, plus ammonium silicofluoride to extent of 3 percent fluorine (Dri-die)	4	1	1	1	4	1	4
2773	41081	*Sium suave* leaves and stems, ethanol extractive	1	1	1	1	3	.....	.....
2774	41080	*Sium suave* leaves and stems, ethyl ether extractive	1	1	1	1	5	.....	.....
2775	14851	Sorbic acid	1	.....	.....	.....	.....	1	6
2776	21792	Sorbic acid, allyl ester	1	1	1	3	5	4	4
2777	14767	Sorbic acid, benzyl ester	1	1	1	3	6	1	2
2778	21795	Sorbic acid, 2-bromoethyl ester	1	1	1	3	3	3	4
2779	21867	Sorbic acid, 2-butoxyethyl ester	1	1	1	1	2	1	3
2780	5089	Sorbic acid, butyl ester	1	1	1	1	0	2	2
2781	21777	Sorbic acid, 2-chloroethyl ester	1	1	1	3	4	4	3
2782	11732	Sorbic acid, ethyl ester	1	.....	.....	.....	.....	1	5
2783	21798	Sorbic acid, 2-ethylbutyl ester	1	1	1	1	1	1	0
2784	21845	Sorbic acid, 2-ethylhexyl ester	1	1	1	1	5	1	4
2785	21799	Sorbic acid, 1-ethylpropyl ester	1	1	1	1	0	1	0
2786	21794	Sorbic acid, heptyl ester	1	1	1	1	5	1	0
2787	21797	Sorbic acid, hexyl ester	1	1	1	1	2	1	0
2788	21774	Sorbic acid, isobutyl ester	1	1	1	1	6	1	2
2789	21776	Sorbic acid, isopentyl ester	1	1	1	1	1	1	2
2790	21773	Sorbic acid, isopropyl ester	1	1	1	1	5	1	1
2791	21933	Sorbic acid, 3-methoxybutyl ester	1	1	1	1	3	1	4
2792	21796	Sorbic acid, 2-methoxyethyl ester	1	1	1	1	1	1	1
2793	30202	Sorbic acid, methyl ester	1	1	1	1	5	1	6
2794	21775	Sorbic acid, pentyl ester	1	1	1	1	1	1	1
2795	21847	Sorbic acid, phenethyl ester	1	1	1	1	1	1	0
2796	5088	Sorbic acid, propyl ester	1	1	1	1	1	1	3
2797	21793	Sorbic acid, 2-propynyl ester	1	1	1	4	6	4	6
2798	32561	Spiro[camphane-2,2′-[1,3]-dioxolane], 4′,5′-dimethyl-	1	1	1	1	4	.....	.....

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2799	32560	Spiro[camphane-2,2′-[1,3]-dioxolane], 4′-methyl-	1	1	2	1	4	.....	.....
2800	23120	Stearic acid, vinyl ester	1	1	1	.....	.....	1	4
2801	21983	Stilbene, 4-methoxy-, *trans*-	1	1	1	1	6	1	5
2802	21632	Stilbene, 3,4-methylenedioxy-	1	1	1	1	1	1	5
2803	26457	Styrene, *alpha,beta,beta*,3,4-pentachloro-	1	1	1	1	3	.....	.....
2804	32451	Succinic acid, bis(2-bromoethyl) ester	1	1	1	1	3	1	6
2805	32450	Succinic acid, bis(2-chloroethyl) ester	1	1	1	1	4	1	4
2806	32448	Succinic acid, bis(3-methoxybutyl) ester	1	1	1	1	5	1	6
2807	32860	Succinic acid, (acetylthio)-	1	1	1	1	6	.....	.....
2808	7663	Succinic acid, 2,3-dibromo-	1	1	1	1	4	.....	.....
2809	32672	Succinic acid, 2,3-dibromo-, dibutyl ester	1	1	1	1	6	.....	.....
2810	31799	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dibutyl ester	1	1	1	1	3	1	4
2811	31798	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dipropyl ester	1	1	1	1	3	1	5
2812	31668	Succinimide, *N*-butyl-	1	1	1	1	4	2	5
2813	31673	Succinimide, *N*-*sec*-butyl-	1	1	1	1	6	1	6
2814	32018	Succinimide, *N*-cyclohexyl-	1	1	1	1	4	1	6
2815	31794	Succinimide, *N*-ethyl-	1	1	1	1	4	1	4
2816	31795	Succinimide, *N*-ethyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	1	5	1	4
2817	31674	Succinimide, *N*-hexyl-	1	1	1	1	5	1	3
2818	32449	Succinimide, *N*-(2-hydroxyethyl)-	1	1	1	1	6	1	5
2819	31670	Succinimide, *N*-isobutyl-	1	1	1	1	6	1	4
2820	31671	Succinimide, *N*-isopropyl-	1	1	1	1	6	1	4
2821	31797	Succinimide, *N*-isopropyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	1	4	1	4
2822	31677	Succinimide, *N*-phenethyl-	1	1	1	1	6	1	4
2823	32420	Succinimide, *N*-propyl-	1	1	1	1	6	1	4
2824	6591	Succinonitrile	1	1	1	1	5	.....	.....
2825	71	Sucrose, octaäcetate	1	1	1	1	4	1	4
2826	21455	*Symphytum officinale* root, ethanol extractive	1	1	1	1	6	1	4
2827	32500	Tartaric acid, diisobutyl ester	1	1	1	1	6	1	6
2828	3572	Tartaric acid, diisopropyl ester	1	.....	.....	.....	.....	1	5
2829	3573	Tartaric acid, dipentyl ester	1	1	1	1	4	1	3
2830	32466	Tartaric acid, dipropyl ester	1	1	1	1	4	1	5
2831	16108	Terephthalic acid	1	1	1	.....	.....	1	5
2832	30498	1-Tetradecanol, formate	1	1	1	1	6	1	5
2833	24999	2,4,8,10-Tetraoxaspiro[5.5]undecane, 3,9-divinyl-	1	1	1	.....	.....	1	2
2834	26215-X	*Thevetia spinosa*, acetone extract of seed kernel previously extracted with petroleum ether	1	1	1	1	4	1	4
2835	32922	Thiazole, 2-acetamido-	1	1	1	1	4	.....	.....
2836	32898	Thiazolidine, 2-imino-5,5-dimethyl-	1	1	1	1	6	.....	.....
2837	21778	Thiocyanic acid, phenacyl ester	1	1	1	1	1	1	3
2838	17185	Thiosinamine	1	1	1	1	3	1	3
2839	41047	*Tillandsia usneoides* leaves and inflorescence, alcohol extractive	1	1	1	1	6	.....	.....
2840	41046	*Tillandsia usneoides* leaves and inflorescence, ethyl ether extractive	1	1	1	1	6	.....	.....
2841	25394	Tin compound, tributyl - - - acetate	1	4	4	4A	0	4A	0
2842	25517-X	Tin compound, tributyl - - -, derivative with tall oil (TIN-SAN)	1	2	4	4	0	4	0
2843	25208	Tin compound, triphenyl - - - acetate	2	1	1	4	1	1	0
2844	25207	Tin compound, triphenyl - - - chloride	1	1	4	4	0	2	0
2845	25724	Tin compound, tris(*p*-chlorophenyl) - - - chloride	1	1	1	1	1	.....	.....
2846	21918	*o*-Tolualdehyde	1	1	1	1	6	1	5
2847	20554	*o*-Tolualdehyde, diethyl acetal	1	.....	.....	.....	.....	1	6
2848	32946	*m*-Toluamide, *N*-acetyl-*N*-ethyl-	1	1	1	1	4	.....	.....
2849	31515	*m*-Toluamide, *N*-butyl-	1	1	1	1	6	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT—)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2850	31517	*m*-Toluamide, *N-sec*-butyl-	1	1	1	1	6	1	6
2851	31655	*m*-Toluamide, *N*-cyclohexyl-	1	1	1	1	5	1	4
2852	32920	*m*-Toluamide, *N*-cyclohexyl-*N*-methyl-	2	1	1	1	6		
2853	30126	*m*-Toluamide, *N,N*-dibutyl-	1	1	1	1	0	1	0
2854	31514	*m*-Toluamide, *N,N*-diisobutyl-	1	1	1	1	4	1	5
2855	30130	*m*-Toluamide, *N,N*-diisopropyl-	1	1	1	1	4	1	1
2856	30105	*m*-Toluamide, *N,N*-dimethyl-	1	1	1	1	3	1	0
2857	31518	*m*-Toluamide, *N,N*-dioctyl-	1	1	1	1	6	1	4
2858	30106	*m*-Toluamide, *N,N*-dipropyl-	1	1	1	1	2	1	2
2859	32956	*m*-Toluamide, *N*-isopropyl-	1	1	1	1	4		
2860	30131	*m*-Toluamide, *N*-methyl-	1	1	1	1	4	1	1
2861	31636	*m*-Toluamide, *N*-pentyl-	1	1	1	1	6	1	5
2862	32951	*m*-Toluamide, *N*-propyl-	1	1	1	1	6		
2863	30079	*o*-Toluamide, *N*-benzyl-	1	1	1	1	1	1	2
2864	30068	*o*-Toluamide, *N*-butyl-	1	1	2	1	3	1	1
2865	30090	*o*-Toluamide, *N-sec*-butyl-	1	1	1	1	2	1	3
2866	30075	*o*-Toluamide, *N*-cyclohexyl-	1	1	1	1	3	1	4
2867	30002	*o*-Toluamide, *N,N*-dibutyl-	1	1	1	1	2	1	0
2868	31652	*o*-Toluamide, *N,N*-diisobutyl-	1	1	1	1	5	1	5
2869	30000	*o*-Toluamide, *N,N*-diisopropyl-	1	1	1	1	2	1	5
2870	30033	*o*-Toluamide, *N,N*-dimethyl-	1	1	1	1	4	1	2
2871	30025	*o*-Toluamide, *N,N*-dipropyl-	1	1	1	1	1	1	2
2872	30032	*o*-Toluamide, *N*-methyl-	1	1	1	1	4	1	3
2873	31637	*o*-Toluamide, *N*-pentyl-	1	1	1	1	6	1	5
2874	30369	*p*-Toluamide, *N*-benzyl-	1	1	1	1	3	1	3
2875	30355	*p*-Toluamide, *N*-butyl-	1	1	1	1	4	1	2
2876	30416	*p*-Toluamide, *N-sec*-butyl-	1	1	1	1	4	1	2
2877	32943	*p*-Toluamide, *N*-butyl-*N*-methyl-	1	1	1	1	6		
2878	30374	*p*-Toluamide, *N*-cyclohexyl-	1	1	1	1	4	1	3
2879	30146	*p*-Toluamide, *N,N*-dibutyl-	1	1	1	1	2	1	1
2880	20219	*p*-Toluamide, *N,N*-diethyl-	1	1	1	1	4	1	
2881	30161	*p*-Toluamide, *N,N*-diisopropyl-	1	1	1	1	2	1	4
2882	30330	*p*-Toluamide, *N,N*-dimethyl-	1	1	1	1	3	1	3
2883	30140	*p*-Toluamide, *N,N*-dipropyl-	1	1	1	1	1	1	0
2884	30332	*p*-Toluamide, *N*-pentyl-	1	1	1	1	4	1	1
2885	31199	*o*-Toluanilide	1	1	1	1	3	1	1
2886	31225	*o*-Toluanilide, 2'-chloro-	1	1	1	1	2	1	2
2887	31200	*o*-Toluanilide, 4'-chloro-	1	1	1	1	2	1	1
2888	31201	*o*-Toluanilide, 2',4'-dichloro-	1	1	1	1	4	1	2
2889	31371	Toluene, 2-bromo-*alpha*-[2-(2-butoxyethoxy)-ethoxy]-4,5-methylenedioxy-	1	1	1	1	4	1	6
2890	31320	Toluene, 2-bromo-*alpha*-(2-butoxyethoxy)-4,5-methylenedioxy-	1	1	1	1	4	1	2
2891	31352	Toluene, 2-bromo-*alpha*-[2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy]-4,5-methylenedioxy-	1	1	1	1	5	1	2
2892	31315	Toluene, 2-bromo-*alpha*-methoxy-4,5-methylenedioxy-	1	1	1	1	3	2	2
2893	31319	Toluene, 2-bromo-*alpha*-[1-(methoxymethyl)-ethoxy]-4,5-methylenedioxy-	1	1	1	1	3	2	1
2894	31367	Toluene, 2-chloro-*alpha*-[2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy]-4,5-methylenedioxy-	1	1	1	1	4	1	2
2895	31368	Toluene, 2-chloro-*alpha*-(2-methoxyethoxy)-4,5-methylenedioxy-	1	1	1	1	3	4	1
2896	26184	Toluene, 4-chloro-*alpha,alpha,alpha*-trifluoro-3-nitro-	1	1	1	1	4	2	3
2897	21177	Toluene, *alpha*,2-dibromo-4,5-methylenedioxy-	1	1	1	1	6	1	6
2898	31369	Toluene, *alpha*,2-dichloro-4,5-methylenedioxy-	1	1	1	1	3	1	3
2899	31990	Toluene-*alpha,alpha*-diol, 2-chloro-4,5-methylenedioxy-, diacetate	1	1	1	1	4	1	6

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
2900	32024	Toluene-*alpha,alpha*-diol, *m*-hydroxy-, triacetate	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 5	*Class* 1	*Rating* 6
2901	31985	Toluene-*alpha,alpha*-diol, *p*-hydroxy-, triacetate	1	1	1	1	4	1	6
2902	32022	Toluene-*alpha,alpha*-diol, 4-hydroxy-3-methoxy-, triacetate	1	1	1	1	4	1	4
2903	32019	Toluene-*alpha,alpha*-diol, *p*-isopropyl-, diacetate	1	1	1	1	4	1	6
2904	32023	Toluene-*alpha-alpha*-diol, *o*-methoxy-, diacetate	1	1	1	1	6	1	6
2905	32021	Toluene-*alpha,alpha*-diol, (3,4-methylenedioxy)-, diacetate	1	1	1	1	5	1	4
2906	30018	*p*-Toluenesulfonanilide, *N*-ethyl-	1	1	1	1	3	1	4
2907	32873	*p*-Toluenesulfon-*m*-anisidide	1	1	1	1	6	.....	.....
2908	30381	*o*-Toluenesulfonic acid, butyl ester	1	1	1	1	4	1	1
2909	32890	*p*-Toluenesulfonic acid, hydrazide	1	1	1	1	6	.....	.....
2910	25191	Toluenethiol (mixed *o*-, *m*-, and *p*-)	1	1	1	.....	.....	1	1
2911	31450	*alpha*-Toluenethiol, 2-bromo-4,5-methylenedioxy-	1	1	1	1	2	1	5
2912	31458	*alpha*-Toluenethiol, 2,4-dichloro-	1	1	1	1	2	1	5
2913	30127	*m*-Toluic acid, allyl ester	1	1	1	1	3	1	6
2914	8604	*m*-Toluic acid, benzyl ester	1	.....	.....	.....	.....	1	4
2915	30107	*m*-Toluic acid, 2-bromoethyl ester	1	1	1	1	1	1	6
2916	30133	*m*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	3	1	1
2917	30466	*m*-Toluic acid, 2-butoxyethyl ester	1	1	1	1	5	1	0
2918	30095	*m*-Toluic acid, butyl ester	1	1	1	1	2	1	2
2919	30128	*m*-Toluic acid, *sec*-butyl ester	1	1	1	1	2	1	0
2920	31653	*m*-Toluic acid, *tert*-butyl ester	1	1	1	1	5	1	5
2921	30103	*m*-Toluic acid, 2-chloroethyl ester	1	1	1	1	1	1	6
2922	30110	*m*-Toluic acid, cyclohexyl ester	1	1	1	1	1	1	3
2923	30111	*m*-Toluic acid, cyclopentyl ester	1	1	1	1	1	1	0
2924	32068	*m*-Toluic acid, 2,3-dibromopropyl ester	1	1	1	1	4	1	6
2925	30145	*m*-Toluic acid, ethyl ester	1	1	1	1	3	1	3
2926	30149	*m*-Toluic acid, 1-ethylpentyl ester	1	1	1	1	3	1	4
2927	30129	*m*-Toluic acid, 1-ethylpropyl ester	1	1	1	1	2	1	1
2928	30109	*m*-Toluic acid, heptyl ester	1	1	1	1	5	1	5
2929	30108	*m*-Toluic acid, hexyl ester	1	1	1	1	1	1	6
2930	30096	*m*-Toluic acid, isobutyl ester	1	1	1	1	2	1	2
2931	30098	*m*-Toluic acid, isopentyl ester	1	1	1	1	5	1	2
2932	30094	*m*-Toluic acid, isopropyl ester	1	1	1	1	1	1	2
2933	30134	*m*-Toluic acid, 3-methoxybutyl ester	1	1	1	1	4	1	1
2934	30104	*m*-Toluic acid, 2-methoxyethyl ester	1	1	1	1	5	1	0
2935	24382	*m*-Toluic acid, methyl ester	1	.....	.....	1	.....	1	4
2936	31651	*m*-Toluic acid, 2-methylpentyl ester	1	1	1	1	6	1	4
2937	31650	*m*-Toluic acid, octyl ester	1	1	1	1	6	1	4
2938	30097	*m*-Toluic acid, pentyl ester	1	1	1	1	3	1	0
2939	30136	*m*-Toluic acid, phenethyl ester	1	1	1	1	3	1	4
2940	30135	*m*-Toluic acid, 3-phenylpropyl ester	1	1	1	1	5	1	6
2941	32897	*m*-Toluic acid, piperonylidenehydrazide	1	1	1	1	4	.....	.....
2942	30093	*m*-Toluic acid, propyl ester	1	1	1	1	4	1	1
2943	30132	*m*-Toluic acid, 2-propynyl ester	1	1	1	4	6	1	4
2944	30157	*m*-Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	1	1	2
2945	31649	*m*-Toluic acid, *p*-tolyl ester	1	1	1	1	6	1	4
2946	21872	*m*-Toluic acid, 2-ethoxy-, propyl ester	1	1	1	1	2	2	2
2947	21490	*o*-Toluic acid, allyl ester	1	1	1	3	6	4	6
2948	21985	*o*-Toluic acid, 2-bromoethyl ester	1	1	1	2	0	2	2
2949	31194	*o*-Toluic acid, *p*-bromophenyl ester	1	1	1	1	4	1	4
2950	21987	*o*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	5	1	4
2951	31229	*o*-Toluic acid, 2-butoxyethyl ester	1	1	1	1	4	1	4
2952	21491	*o*-Toluic acid, butyl ester	1	1	1	1	6	2	3
2953	30086	*o*-Toluic acid, *sec*-butyl ester	1	1	1	1	3	1	1
2954	31657	*o*-Toluic acid, *tert*-butyl ester	1	1	1	1	6	1	3
2955	21771	*o*-Toluic acid, 2-chloroethyl ester	1	1	1	1	4	2	0
2956	31188	*o*-Toluic acid, *o*-chlorophenyl ester	1	1	1	1	3	1	5

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
2957	31190	*o*-Toluic acid, *p*-chlorophenyl ester	1	1	1	1	5	1	5
2958	30088	*o*-Toluic acid, cyclohexyl ester	1	1	1	1	1	1	2
2959	30089	*o*-Toluic acid, cyclopentyl ester	1	1	1	1	1	1	2
2960	32067	*o*-Toluic acid, 2,3-dibromopropyl ester	1	1	1	1	4	1	3
2961	31207	*o*-Toluic acid, 2,4-dichlorophenyl ester	1	1	1	1	4	1	4
2962	31656	*o*-Toluic acid, 1,3-dimethylbutyl ester	1	1	1	1	6	1	5
2963	31388	*o*-Toluic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	4	1	5
2964	21986	*o*-Toluic acid, 2-ethylbutyl ester	1	1	1	1	3	1	2
2965	31654	*o*-Toluic acid, 1-ethylpentyl ester	1	1	1	1	6	1	3
2966	30078	*o*-Toluic acid, 1-ethylpropyl ester	1	1	1	1	2	1	1
2967	21988	*o*-Toluic acid, heptyl ester	1	1	1	1	5	1	4
2968	32878	*o*-Toluic acid, hydrazide	1	1	1	1	6	.....	.....
2969	21768	*o*-Toluic acid, isobutyl ester	1	1	1	1	1	1	4
2970	21770	*o*-Toluic acid, isopentyl ester	1	1	1	1	4	1	0
2971	21767	*o*-Toluic acid, isopropyl ester	1	1	1	1	4	1	4
2972	21973	*o*-Toluic acid, 3-methoxybutyl ester	1	1	1	1	5	1	1
2973	21974	*o*-Toluic acid, 2-methoxyethyl ester	1	1	1	1	2	1	1
2974	2357	*o*-Toluic acid, methyl ester	1	1	1	1	6	1	6
2975	21769	*o*-Toluic acid, pentyl ester	1	1	1	1	3	1	1
2976	31659	*o*-Toluic acid, *tert*-pentyl ester	1	1	1	1	6	1	3
2977	31223	*o*-Toluic acid, phenethyl ester	1	1	1	1	2	1	2
2978	21492	*o*-Toluic acid, propyl ester	1	1	1	1	4	2	2
2979	31635	*o*-Toluic acid, 2-propynyl ester	1	1	1	4	1	4	1
2980	31643	*o*-Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	6	1	5
2981	31196	*o*-Toluic acid, *p*-tolyl ester	1	1	1	1	6	1	4
2982	31193	*o*-Toluic acid, 2,4,5-trichlorophenyl ester	1	1	1	1	1	1	1
2983	31633	*p*-Toluic acid, allyl ester	1	1	1	3	6	2	1
2984	8605	*p*-Toluic acid, benzyl ester	1	1	1	1	4	1	1
2985	31121	*p*-Toluic acid, 2-bromoethyl ester	1	1	1	1	0	3	1
2986	31648	*p*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	6	1	4
2987	31126	*p*-Toluic acid, 2-butoxyethyl ester	1	1	1	1	2	1	0
2988	31109	*p*-Toluic acid, butyl ester	1	1	1	1	2	1	1
2989	31646	*p*-Toluic acid, *sec*-butyl ester	1	1	1	1	6	1	5
2990	31119	*p*-Toluic acid, 2-chloroethyl ester	1	1	1	1	1	1	3
2991	31647	*p*-Toluic acid, cyclohexyl ester	1	1	1	1	6	1	4
2992	31645	*p*-Toluic acid, cyclopentyl ester	1	1	1	1	5	1	4
2993	32066	*p*-Toluic acid, 2,3-dibromopropyl ester	1	1	1	1	4	1	4
2994	31106	*p*-Toluic acid, ethyl ester	1	1	1	1	2	1	0
2995	32891	*p*-Toluic acid, hydrazide	1	1	1	1	6	.....	.....
2996	31110	*p*-Toluic acid, isobutyl ester	1	1	1	1	0	1	0
2997	31124	*p*-Toluic acid, isopentyl ester	1	1	1	1	3	1	0
2998	31108	*p*-Toluic acid, isopropyl ester	1	1	1	1	1	1	0
2999	31125	*p*-Toluic acid, 2-methoxyethyl ester	1	1	1	1	1	1	1
3000	4243	*p*-Toluic acid, methyl ester	1	1	1	1	2	1	2
3001	31123	*p*-Toluic acid, pentyl ester	1	1	1	1	1	1	3
3002	31226	*p*-Toluic acid, phenethyl ester	1	1	1	1	2	1	2
3003	32111	*p*-Toluic acid, piperonyl ester	1	1	1	1	3	1	4
3004	31107	*p*-Toluic acid, propyl ester	1	1	1	1	1	1	1
3005	31356	*p*-Toluic acid, 2-propylheptyl ester	1	1	1	1	4	1	3
3006	31634	*p*-Toluic acid, 2-propynyl ester	1	1	1	4	5	4	3
3007	31644	*p*-Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	6	1	5
3008	26183	*m*-Toluidine, 6-chloro-*alpha,alpha,alpha*-trifluoro-	1	1	1	1	6	1	4
3009	30020	*m*-Toluidine, *N*-(2,4-dinitrophenyl)-	1	1	1	.....	.....	1	4
3010	7422	*m*-Toluidine, *alpha,alpha,alpha*-trifluoro-	1	1	1	1	4	2	4
3011	26188	*m*-Toluidine, *alpha,alpha,alpha*-trifluoro-4-nitro-	1	1	1	1	2	2	1
3012	26182	*o*-Toluidine, *alpha,alpha,alpha*-trifluoro-	1	1	1	1	4	1	3
3013	30021	*p*-Toluidine, *N*-(2,4-dinitrophenyl)-	1	1	1	1	6	1	4
3014	26186	*p*-Toluidine, *alpha,alpha,alpha*-trifluoro-2-nitro-	1	1	1	2	2	2	3
3015	31269	*o*-Toluo-*o*-anisidide	1	1	1	1	1	1	1
3016	31221	*o*-Tolu-*m*-toluidide	1	1	1	1	3	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
3017	31222	*o*-Tolu-*p*-toluidide	1	1	1	1	2	1	2
3018	44564-X	Tremetol	1	1	1	1	3	.....	.....
3019	25448	*s*-Triazine, 2,4,6-tris(allyloxy)-	1	1	1	2	1	.....	.....
3020	25257	*s*-Triazine-2,4,6(1*H*,3*H*,5*H*)-trione, dichloro-	1	1	1	1	5	1	6
3021	17193	*s*-Triazine-2,4,6(1*H*,3*H*,5*H*)-trione, trichloro-	1	1	1	1	4	1	6
3022	25445	4*H*-1,2,4-Triazole, 3-amino-	1	1	1	1	4	.....	.....
3023	23972	6-Tridecanol, 3,9-diethyl-	1	1	1	1	6	1	6
3024	30459	6-Tridecanol, 3,9-diethyl-, formate	1	1	1	1	5	1	5
3025	30500	Triethylene glycol, diformate	1	1	1	1	6	1	5
3026	21459	*Trifolium pratense* tops, ethanol extractive	1	2	1	1	6	1	4
3027	25359-X	Triisoöctyl amine (mixed isomers)	1	1	1	.....	.....	1	4
3028	21659-X	*Trilisa odoratissima* leaves, ethanol extractive	1	1	1	1	6	1	6
3029	21367	*Trillium erectum* root, ethanol extractive	1	1	1	1	6	1	6
3030	21322	*Trillium erectum* root, ethyl ester extractive	1	2	1	1	6	1	6
3031	41033	*Tsuga canadensis* (lot No. 1) leaves and stems, ethanol extractive	2	1	1	2	1	.....	.....
3032	41067	*Tsuga canadensis* (lot No. 2) leaves and stems, ethanol extractive	1	1	1	1	5	.....	.....
3033	41032	*Tsuga canadensis* (lot No. 1) leaves and stems, ethyl ether extractive	1	1	1	3	6	.....	.....
3034	41066	*Tsuga canadensis* (lot No. 2) leaves and stems, ethyl ether extractive	1	1	1	1	5	.....	.....
3035	21388	*Tsuga canadensis* pitch	1	1	1	1	6	1	5
3036	21860-X	*Uncaria gambir*, ethyl ether extractive	2	1	1	1	6	1	6
3037	5098	Undecanal	1	1	1	1	4	1	1
3038	26140	Undecanoic acid, nickel derivative	1	1	1	1	6	.....	.....
3039	25488	1-Undecanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-eicosafluoro-	1	1	1	1	6	.....	.....
3040	26141	Undecenoic acid, nickel derivative	1	1	1	1	4	.....	.....
3041	30729	Undecyl alcohol, formate	1	1	1	1	4	1	3
3042	20172	Urea, (*p*-acetamidophenyl)-	2	1	1	1	6	1	6
3043	24935	Urea, 1-acetyl-2-thio-	1	1	1	1	4	1	3
3044	20174	Urea, (4'-amino-3,3'-dimethoxy-4-biphenylyl)-	2	1	1	1	6	1	6
3045	24936	Urea, 1,3-dibenzyl-2-thio-	1	1	1	1	4	1	4
3046	8621	Urea, 1,3-dibutyl-2-thio-	1	1	1	1	6	1	2
3047	14636	Urea, 1,3-diethyl-2-thio-	1	1	1	1	5	1	5
3048	24939	Urea, 1,1-diphenyl-2-thio-	1	1	1	1	6	1	6
3049	24937	Urea, 1-ethyl-1-(1-naphthyl)-2-thio-	1	1	1	1	3	1	3
3050	7550	Urea, 1-(1-naphthyl)-2-thio-	1	1	1	1	2	1	2
3051	7549	Urea, 1-phenyl-2-thio-	1	1	1	2	1	1	2
3052	3582	Urea, thio-	1	1	1	1	5	1	2
3053	16105	Valeraldehyde	1	1	1	1	5	1	4
3054	20210	Valeramide, 2-cyano-2-isopropyl-	1	1	1	1	6	1	4
3055	20209	Valeramide, 2-cyano-4-methyl-2-propyl-	1	1	1	1	6	1	5
3056	30514	Valeric acid, 2-bromoethyl ester	1	1	1	1	4	1	1
3057	30584	Valeric acid, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	6	1	5
3058	30586	Valeric acid, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	6	1	4
3059	30515	Valeric acid, 2-chloroethyl ester	1	1	1	1	5	1	4
3060	30587	Valeric acid, 2-(o-chlorophenoxy)-1-methyl-ethyl ester	1	1	1	1	2	1	0
3061	31020	Valeric acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	3	1	5
3062	30980	Valeric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	4	1	6
3063	30592	Valeric acid, cyclopentyl ester	1	1	1	1	4	1	2
3064	30736	Valeric acid, decyl ester	1	1	1	1	5	1	4
3065	30380	Valeric acid, 2,4-dimethylbenzyl ester	1	1	1	1	5	1	5
3066	30139	Valeric acid, 3,4-dimethylbenzyl ester	1	1	1	1	5	1	6
3067	30579	Valeric acid, 2-ethylhexyl ester	1	1	1	1	6	1	4
3068	30517	Valeric acid, heptyl ester	1	1	1	1	6	1	3

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
			Class	*Class*	*Class*	*Class*	*Rating*	*Class*	*Rating*
3069	30516	Valeric acid, hexyl ester	1	1	1	1	6	1	2
3070	30581	Valeric acid, 3-methyoxybutyl ester	1	1	1	1	5	1	2
3071	30582	Valeric acid, 2-methoxy-1-methylethyl ester	1	1	1	1	6	1	5
3072	30064	Valeric acid, *m*-methylbenzyl ester	1	1	1	1	5	1	4
3073	30593	Valeric acid, 2-methylcyclohexyl ester	1	1	1	1	4	1	3
3074	30583	Valeric acid, 2-phenoxyethyl ester	1	1	1	1	6	1	2
3075	30580	Valeric acid, 3-phenylpropyl ester	1	1	1	1	6	1	1
3076	30577	Valeric acid, octyl ester	1	1	1	1	6	1	0
3077	30578	Valeric acid, tetrahydrofurfuryl ester	1	1	1	1	6	1	0
3078	31859	Valeric acid, 2-ethyl-4-methyl-, allyl ester	1	1	1	1	2	1	4
3079	31863	Valeric acid, 2-ethyl-4-methyl-, benzyl ester	1	1	1	1	3	1	4
3080	31862	Valeric acid, 2-ethyl-4-methyl-, 2-bromoethyl ester	1	1	1	1	6	1	4
3081	31865	Valeric acid, 2-ethyl-4-methyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	3	1	5
3082	31364	Valeric acid, 2-ethyl-4-methyl-, butyl ester	1	1	1	1	5	1	5
3083	31861	Valeric acid, 2-ethyl-4-methyl-, 2-chloroethyl ester	1	1	1	1	6	1	4
3084	31856	Valeric acid, 2-ethyl-4-methyl-, isobutyl ester	1	1	1	1	4	1	4
3085	31860	Valeric acid, 2-ethyl-4-methyl-, isopentyl ester	1	1	1	2	2	1	4
3086	31857	Valeric acid, 2-ethyl-4-methyl-, isopropyl ester	1	1	1	1	3	1	4
3087	31864	Valeric acid, 2-ethyl-4-methyl-, 2-methoxyethyl ester	1	1	1	1	5	1	2
3088	31858	Valeric acid, 2-ethyl-4-methyl-, pentyl ester	1	1	1	2	2	1	4
3089	31866	Valeric acid, 2-ethyl-4-methyl-, phenethyl ester	1	1	1	1	3	1	4
3090	31867	Valeric acid, 2-ethyl-4-methyl-, 2-phenoxyethyl ester	1	1	1	1	4	1	4
3091	31361	Valeric acid, 2-ethyl-4-methyl-, propyl ester	1	1	1	1	4	1	4
3092	25024	Valeric acid, 5-hydroxy-, *delta*-lactone	1	.....	.....	.....	.....	1	5
3093	26042	Valeric acid, 2-methyl-	1	1	1	1	6	.....	.....
3094	30028	Valeric acid, 2-methyl-, benzyl ester	1	1	1	1	4	1	2
3095	30027	Valeric acid, 2-methyl-, 2-bromoethyl ester	1	1	1	1	3	3	3
3096	30072	Valeric acid, 2-methyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	5	1	3
3097	30070	Valeric acid, 2-methyl-, 2-butoxyethyl ester	1	1	1	1	4	1	3
3098	30001	Valeric acid, 2-methyl-, butyl ester	1	1	1	1	6	1	2
3099	30026	Valeric acid, 2-methyl-, 2-chloroethyl ester	1	1	1	1	6	1	6
3100	30029	Valeric acid, 2-methyl-, cyclohexyl ester	1	1	1	1	6	1	0
3101	30030	Valeric acid, 2-methyl-, cyclopentyl ester	1	1	1	1	6	1	2
3102	30087	Valeric acid, 2-methyl-, 1,3-dimethylbutyl ester	1	1	1	1	4	1	4
3103	30067	Valeric acid, 2-methyl-, 2-ethoxyethyl ester	1	1	1	1	6	1	3
3104	30034	Valeric acid, 2-methyl-, 2-ethylbutyl ester	1	1	1	1	6	1	2
3105	30066	Valeric acid, 2-methyl-, 2-ethylhexyl ester	1	1	1	1	4	1	3
3106	30092	Valeric acid, 2-methyl-, 4-ethyl-1-methyl-octyl ester	1	1	1	1	6	1	5
3107	30069	Valeric acid, 2-methyl-, 1-ethylpropyl ester	1	1	1	1	7	1	4
3108	30073	Valeric acid, 2-methyl-, heptyl ester	1	1	1	1	5	1	4
3109	30065	Valeric acid, 2-methyl-, hexyl ester	1	1	1	1	6	1	1
3110	30003	Valeric acid, 2-methyl-, isobutyl ester	1	1	1	1	6	1	5
3111	30024	Valeric acid, 2-methyl-, isopentyl ester	1	1	1	1	6	1	4
3112	21998	Valeric acid, 2-methyl-, isopropyl ester	1	1	1	1	5	1	5
3113	30031	Valeric acid, 2-methyl-, 2-methoxyethyl ester	1	1	1	1	6	1	3
3114	30091	Valeric acid, 2-methyl-, 2-methylcyclohexyl ester	1	1	1	1	3	1	2

TABLE 1.—*Relative effectiveness of materials as insecticides and acaricides in toxicity tests against insect and mite species and feeding rating of 2 species*—Continued

Item No.	Entomology No. (ENT–)	Material	Boll weevil	Cotton aphid	Two-spotted spider mite	Southern armyworm		Salt-marsh caterpillar	
						Toxicity	Feeding	Toxicity	Feeding
3115	30077	Valeric acid, 2-methyl-, 4-methylcyclohexyl ester	*Class* 1	*Class* 1	*Class* 1	*Class* 1	*Rating* 2	*Class* 1	*Rating* 2
3116	30004	Valeric acid, 2-methyl-, pentyl ester	1	1	1	1	5	1	1
3117	30074	Valeric acid, 2-methyl-, phenethyl ester	1	1	1	1	3	1	2
3118	30076	Valeric acid, 2-methyl-, 3-phenylpropyl ester	1	1	1	1	3	1	6
3119	21989	Valeric acid, 2-methyl-, propyl ester	1	1	1	1	6	1	5
3120	30071	Valeric acid, 2-methyl-, tetrahydrofurfuryl ester	1	1	1	1	5	1	1
3121	30964	Valeric acid, 3-oxo-, ethyl ester	1	1	1	1	4	1	3
3122	30008	Vanillin, semicarbazone	1	1	1	1	5	1	5
3123	30255	Veratraldehyde, diethyl acetal	1	1	2	1	5	1	6
3124	31463	Xanthic acid, ethyl-, allyl ester	1	1	1	4	4	1	5
3125	19799	Xanthic acid, ethyl-, butyl ester	1	1	1	4	5	1	3
3126	31490	Xanthic acid, ethyl-, 6-chloropiperonyl ester	1	1	1	1	2	1	3
3127	31466	Xanthic acid, ethyl-, cyclopentyl ester	1	1	1	4	0	2	0
3128	1301	Xanthic acid, ethyl-, ethyl ester	1	1	1	1	5	1	6
3129	31464	Xanthic acid, ethyl-, isopropyl ester	1	1	1	1	5	1	4
3130	31462	Xanthic acid, ethyl-, methyl ester	1	1	1	1	5	1	6
3131	26128	Xanthic acid, ethyl-, nickel derivative	1	1	1	1	2	1	3
3132	31467	Xanthic acid, ethyl-, phenethyl ester	1	1	1	2	0	1	1
3133	1364	Xanthic acid, ethyl-, potassium salt	1	1	1	1	3	1	6
3134	19798	Xanthic acid, ethyl-, propyl ester	1	1	1	4	1	1	6
3135	26150	Xanthic acid, 3,3,5-trimethylcyclohexyl-, nickel derivative	1	2	1	1	5	.....	.....
3136	21259	*m*-Xylene, 4,6-bis(chloromethyl)-	1	1	.....	2	1	2	1
3137	30371	*m*-Xylene, 4,6-bis(ethoxymethyl)-	1	1	1	1	4	1	3
3138	19378	*p*-Xylene, *alpha,alpha'*-dichloro-	1	1	1	1	4	4	2
3139	25033	*m*-Xylene-*alpha,alpha'*-diamine	1	1	1	.....	.....	1	5
3140	21901	*m*-Xylene-*alpha,alpha'*-diol, diacetate	1	1	1	1	5	1	5
3141	21802	*m*-Xylene-*alpha,alpha'*-diol, 4,5-dimethyl-, diacetate	2	1	1	1	4	1	6
3142	21372	*m*-Xylene-*alpha,alpha'*-diol, 4,6-dimethyl-	1	1	1	1	6	1	6
3143	21337	*m*-Xylene-*alpha,alpha'*-diol, 4,6-dimethyl-, diacetate	1	1	1	1	6	1	6
3144	30987	*p*-Xylene-*alpha,alpha'*-diol, diacetate	1	1	1	1	4	1	4
3145	25192	Xylenethiol (mixed isomers)	1	1	1	.....	.....	1	0
3146	8632	3,5-Xylenol, 4-chloro-	1	1	1	1	2	1	6
3147	32048-X	Yerba del Oso roots, ethanol extractive	1	1	1	1	4	1	5
3148	32047-X	Yerba del Oso roots, ethyl ether extractive	1	1	1	1	4	1	4

TABLE 2.—*Relative effectiveness of class 4A materials against insect and mite species*

Item No.	Entomology No. (ENT–)	Material	Cotton aphid	Two-spotted spider mite	Southern armyworm	Salt-marsh caterpillar
671	24979	Bis(tributyltin) oxide		X	X	X
903	21195	Chrysanthemumic acid, 6-bromopiperonyl ester			X	X
914	21557	Chrysanthemumic acid, 6-chloropiperonyl ester			X	X
919	21170	Chrysanthemumic acid, 2,4-dimethylbenzyl ester			X	X
921	21825	Chrysanthemumic acid, 3,4-dimethylbenzyl ester			X	X
931	21558	Chrysanthemumic acid, *p*-ethylbenzyl ester			X	X
946	21564	Chrysanthemumic acid, *m*-(2-methylallyloxy)benzyl ester			X	X
949	21559	Chrysanthemumic acid, *o*-methylbenzyl ester				X
1797	25456	Ether, bis(2,3,3,3-tetrachloropropyl)			X	X
2169	32719	1-Napthaleneacetic acid, 2-propynyl ester			X	
2344	41031	*Oxypalis filiformis* leaves, stems, and roots, alcohol extractive	X			
2396	157	Phenol, 2-cyclohexyl-4,6-dinitro-	X	X	X	X
2841	25394	Tin compound, tributyl.....acetate			X	X

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32917	2336
32918-X	850
32919	2337
32920	2852
32921	2137
32922	2835
32925	2339
32929	1548
32930	2558
32931	2095
32932	2099
32933	2101
32937	2675
32938	2678
32940	2092
32941	2090
32942	851
32943	2877
32944	2097
32946	2848
32947	1953
32951	2862
32956	2859
32957	2091
40055	1863
40101-X	2761
41012	404
41013	405
41014	402
41015	403
41016	1760
41017	1761
41020	880
41025	879
41027	2147
41028	2695
41029	2694
41031	2344
41032	3033
41033	3031
41034	1757
41035	1756
41046	2840
41047	2839
41051	1758
41052	1211
41053	1210
41054	2699
41055	2698
41057	2071
41058	974
41059	973
41060	2697
41061	2696
41064	2693
41065	2692
41066	3034
41067	3032
41069	672
41071	665
41077	1759
41078	667
41079	666
41080	2774
41081	2773
41082	2084
41083	2083
41084	2760
41085	2759
44563	2057
44564-X	3018

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