COMPILED STATE DOT COMPOST SPECIFICATIONS TABLES

DOT 'In the Soil' Compost Specifications Chart

State	Compost Application(s)	Feedstock(s)	Application Rate	Compost Specifications Particle Size	pH	Moisture	Organic Matter (dry wt.)	Soluble Salts	Maturity/Stability	Nutrients/Other Elements	Temperature/Time	C/N	Inert Content (wt.)	Other
Alaska	backfill mix	plant waste	5 cu. ft. compost:1 cu. yd. soil	n/a	n/a	no visible free water or dust	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Colorado	soil amendment	cow or sheep manure and wood residue	4 cu. yds. per 1,000 sq. ft.	1/2" max.	5.0 to 8.5	n/a	30% min.	n/a	n/a	n/a	140 deg. F for 70 to 90 days	20/1 to 30/1	n/a	non-offensive odor
	backfilling	same	0.5 cu. ft. per tree and 0.1 cu. ft. per shrub	same	same	n/a	same	n/a	n/a	n/a	same	same	n/a	same
Connecticut	turf establishment (soil amendment)-DRAFT	leaves and yard trimmmings, food scraps, food processing residuals, manure and/or other agricultural residuals, forest residues and bark, and soiled or non-recyclable paper	1/2" to 2"	< 25 mm, with twigs at 50 mm max.	5.5 to 8.0	35% to 60%	30% min.	4.0 mmhos/cm	6 min.using Solvita test	n/a	n/a	n/a	0.1% max.	no objectionable odor, no resemblence to feedstock
	backfill mix -DRAFT	same	1 part compost:2 parts soil	same	same	same	same	same	same	n/a	n/a	n/a	same	same
	topdressing -DRAFT	same	1/2"	same	same	same	same	same	same	n/a	n/a	n/a	same	same
Delaware	soil amendment-SPECIAL PROVISION	poultry litter	1"	100% passing a 1" screen	5.7 to 7.5	less than 40%	n/a	< 4.0 mmhos/cm	n/a	n/a	n/a	n/a	n/a	no noxious weed seeds
Florida	soil amendment	yard waste, yard waste and manure, municipal solid waste and biosolids	75 mm	project specific	project specific	n/a	project specific	4.0 mmhos/cm, but can be leached if above	n/a	n/a	n/a	n/a	n/a	must meet FLDEP rules for unrestricted distribution
Georgia	soil additives (soil amendment)	organic materials	project specific	n/a	5.0 to 8.0	n/a	n/a	n/a	mature	n/a	n/a	n/a	n/a	dark brown or black color, no human pathogens, minimal odors
Illinois	topsoil and compost (soil manufacturing*) *specifications listed are for blended topsoil	organic waste	40% compost:60% soil	*majority shall pass a 1" screen	*5.0 to 8.0	n/a	*1% to 10%	n/a	n/a	n/a	n/a	n/a	1.0% max., 4 mm max. size	must comply with IEPA health standards, no glass or metal shards
Iowa	soil amendment- SPECIAL PROVISION	source separated leaf and yard trimmings, food scraps, food processing residuals, manure and/or other agricultural residuals, forest residues and bark, soiled and/or unrecyclable paper and biosolids	4"	< 1.0"	6.0 to 8.0	less than 60%	30% min.	< 5.0 mmhos/cm	n/a	n/a	n/a	n/a	n/a	n/a
Kansas	soil amendment and backfill	unspecified -specific suppliers listed	1 1/2"	1/2" or smaller	6.0 to 7.5	30% to 40%	less than 35%	< 5.0 mmhos/cm	6 or 7 using Solvita test	N = 0.8% or above, P= 1.0% or above	n/a	n/a	n/a	800 to 1,000 lbs./cu. yd. bulk density
Maine	soil amendment and backfill	source separated leaf and yard trimmings, food scraps, food processing residuals, manure and/or other agricultural residuals and biosolids	project specific	100% < 25 mm	4.5 to 8.0	n/a	35% min.	< 4.0 mmhos/cm	stability shall be > 5 as measured by the Dewar Self Heating test	n/a	n/a	n/a	n/a	n/a
Maryland	soil amendment and backfill	biosolids, and source separated compost approved for distribution by the Maryland Dept. of Agriculture	project specific	max. of 90% passing 4.75 mm, max. of 25% passing .425 mm and max. of 2.2% passing .075 mm	6.0 to 7.5	30% to 55%	n/a	< 5.0 mmhos/cm for source separated and < 10 mmhhos/cm for biosolids	"will not reheat upon stacking"	n/a	n/a	n/a	n/a	biosolids must be approved by the Maryland Dept. of the Environment
Massachusetts	organic soil additives (amendment)- DRAFT	biodegradable matter, including biosolids	up to 100 mm	25 mm max.	5.5 to 7.5	35% to 55%	40% min.	max. 4.0 mmhos/cm	6 using Solvita test, stability shall be >10 as measured by the Dewar Self Heating test	n/a	USEPA 40 CFR #503 Regs for Class A compost	11 to 25:1	1.0% max.	no unpleasant odors
Michigan	compost specification (soil amendment)	yard clippings or other approved materials	project specific	3/4" maximum diameter	5.0 to 8.5	no visible free water or dust	10% to 50%	1.0 to 5.0 mmhos/cm	mature	n/a	USEPA 40 CFR #503 Regs for Class A compost	10 to 20:1	less than 1.0%	dark brown or black color, registered Mich. Dept. of Agriculture, no objectionable odor
Minnesota	turf establishment- grade 1 compost	animal derived material	project specific-typically 1" to 2"	10 mm max.	5.5 to 8.0	35% to 55% with a 700 to 1600 lbs./yd. bulk density same, except max. bulk density can be 1600 lbs./yd.	30% min.	max. 10.0 mmhos/cm	5 min. using Solvita test, 80% to 100% seed germination test scores,	NPK ratios of 2-2-1 to 4-4-2	a PFRP process must be used	6 to 20:1	3.0% max. at 4 mm	state Pollution Control and USEPA Part 503 C contaminent limits, registered for sale with the State of Minnesota apply to all 3 compost grades
	landscape planting- grade 2 compost	leaves and yard waste	project specific-typically 3" to 4"	19 mm max.	5.5 to 8.5	same, except max. bulk density can be 1600 lbs./yd.	same	same	same	n/a	same	same	same	
	turf establishment- grade 3	90% leaves and yard waste, 10% animal manure	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	same as grade 1	
New Hampshire	soil amendment- SPECIAL PROVISION	source separated leaf and yard trimmings, food scraps, food processing residuals, manure and/or other agricultural residuals, forest residues and bark, and soiled or non-recyclable paper	2"	< 0.5"	6.0 to 8.0	35% to 60%	30% min.	n/a	"certified stable"	n/a	n/a	n/a	n/a	n/a
	backfill mix -SPECIAL PROVISION	same	3 cu. ft. of compost to 1 cu. yd. of loam	same	same	same	same	n/a	same	n/a	n/a	n/a	see other	shall be relatively free of objects larger than 25 mm (1") in diameter
New Jersey	soil amendment	biosolids	project specific to raise soil organic matter content to 2.75%	n/a	6.0 min.	55% max.	n/a	n/a	n/a	n/a	n/a	n/a	n/a	must be NJDEP approved
New York	soil amendment	source separated leaf and yard trimmings, food scraps, food processing residuals, manure and/or other agricultural residuals, forest residues and bark, and soiled or non-recyclable paper and biosolids	project specific to raise soil organic matter content to 2% to 20%	< 12.5 mm	6.0 to 8.0	35% to 60%	30% min.	< 4.0 mmhos/cm	"must be stable according to current test methods"	n/a	n/a	n/a	n/a	must meet NYDEC regulations
North Carolina	project procurement specifications (RFQ) for an organic fertilizer/soil amendment	poultry litter	project specific	100% must pass a 5/8" screen	5.7 to 7.5	40% max.	n/a	< 40 mmhols/cm	minimal reheating upon stockpiling	must be within % of claimed nutrients	composting method dependent	n/a	n/a	registered as a fertilizer wuth the NC Deptartment of Agriculture, Cu and Zn limits (2 lbs./ton)
Ohio	backfill mix	source separated yard waste	1/3 by volume	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Ohio Class IV compost is the only permitted product
Oregon	soil conditioner	yard debris	project specific	n/a	n/a	n/a	n/a	n/a	n/a	n/a	57 degrees C for 15 days	n/a	n/a	max. of 10% bacteria and fungus
	cultivated planting area	mushroom compost	project specific	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	non-cultivated planting area	yard debris or mushroom compost	50 mm minimum											
	sod lawn and seeded areas	yard debris or mushroom compost	project specific: 0.5 cu. m/100 sq. m											
Pennsylvania	soil amendment	paper mill compost	not specified, project specific	13 mm max.	6.5 to 7.5	n/a	70% min.	n/a	n/a	n/a	n/a	n/a	n/a	25% ash max., weed free,
	soil amendment	sewage sludge	not specified, project specific	10 mm to 80 mm	8.0 min.	n/a	50% min.	n/a	n/a	"heavy" metal limits	21 days composting + 30-60 curing	n/a	n/a	100% water holding capacity,
	soil amendment	agricultural, food and yard waste	not specified, project specific	pass 25 mm screen	5.5 to 8.0	35% to 55%	n/a	< 3.0 mmhols/cm	n/a	USEPA Part 503 Class A, E.Q. limits	n/a	n/a	< 1.0%	produced by PADEP permitted site
	backfill mix	all composts listed above	25% by volume					specifications are compost feedstock dependent as listed above						
South Carolina	backfill mix	animal manure, mushroom compost or other types as specifically approved	25% by volume	n/a	n/a	n/a	n/a	n/a	should not cause "burning" of plants	n/a	n/a	n/a	n/a	n/a
	Canna planting	same	6"	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Texas	manufactured topsoil	leaves and yard trimmings, food scraps, food processing residuals, manure and/or other agricultural residuals, forest residues and bark, and soiled and/or unrecyclable paper and biosolids	5% to 30% by volume	100% passing 1" screen	5.5 to 8.5	n/a	30% min.	< 5.0 mmhols/cm	"finished" per Solvita test	n/a	USEPA 40 CFR #503 Regs for Class A compost	n/a	no visible content	must meet TX Natural Resources Conservation Commission health and safety standards
Utah	soil amendment- SPECIAL PROVISION	animal manures, straw, yard trimmings, sawdust or other forest wood products	50 mm	4 mm max. thickness	5.5 to 7.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	no visible content	dark brown to black, no offensive odors
Virginia	soil amendment- DRAFT	yard waste	2"	100% passing 1" screen	5.5 to 8.0	35% to 55%	n/a	3.0 mmhols/cm or less	1 year old min., "stable, must demonstrate enhanced plant growth"	USEPA Part 503 Class A metal limits, N=0.5-2.5%, P=0.2-2.0%,K=0.3-1.5%	n/a	n/a	n/a	n/a
Washington	soil amendment	minimum of 65% plant waste by volume, a maximum of 35% of other approved organic waste and/or biosolids	project specific - typically 3"	100% passing 25 mm screen	5.5 to 8.5	n/a	30% min.	< 4.0 mmhols/cm	"stable", 5 min. using Solvita test	n/a	n/a	n/a	< 1.0%	meeting WA State Dept. of Ecology standards, Grade AA compost can be applied within 30' of wetlands and stream sides, Grade A is for use on all other locations
Wisconsin	backfill mix	cattle, sheep or poultry manure or other organic material acceptable to WIDOT	1 part compost to 6 parts topsoil	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Wyoming	organic fertilizer	animal manures - supplier listed	project specific	n/a	n/a	35% max.	100%	n/a	n/a	min. of 8% N (5.5% insoluble), 1% Phosphoric Acid, 3% Potash	n/a	n/a	n/a	must comply with Wyoming Fertilizer law
	soil amendment- SPECIAL PROVISION	same	project specific	n/a	5.5 to 8.0	n/a	100%	n/a	n/a	n/a	n/a	n/a	see other	free from sticks, clay subsoil, stones weed stolens and seeds