

NATIONAL BIOSOLIDS

Phosphorus (P) in this state's biosolids (metric tonnes, 2018):	8,595	calculated assuming avg. 2% biosolids
P in this state's animal manures (metric tonnes):	206,361	https://www.epa.gov/nutrient-policy-data/estimated-animal- agriculture-nitrogen-and-phosphorus-manure
P in this state's purchased fertilizer (metric tonnes, 2011):	62,974	https://www.epa.gov/nutrient-policy-data/commercial- fertilizer-purchased
If all state's biosolids applied, what % of state's applied P would come from biosolids?	3%	calculated
State Regulatory Involvement		
Biosolids oversight agency / division:		water / wastewater program
Permitting of biosolids programs: of land application sites:	NPDES type permits, solid waste p State-only Land Application and Pn	
FTEs: state biosolids regulatory program:	3	survey response by state expert
Biosolids program FTEs per million population:	0.10	calculated
Enforcement: Inspections of biosolids facilities & field sites in 2018:	0	survey response by state expert
Formal violations issued:	0	survey response by state expert
Amount of state regulations beyond Part 503:	High	, , , , , , , , , , , , , , , , , , ,
Amount of state regulation of nutrient management & phosphorus:	Moderate	rankings by survey team based on
Accessibility of biosolids data to public:	Low	information provided in survey
State encouragement of biosolids recycling to soils:	Moderate	(options: High, Moderate, Low, None)
Voluntary additional protections by land appliers known & reported by state coordinator:	Low	
Trends		
New land application activity, 2018 - new permits & acreage, acres applied:	Moderate	rankings by survey team based on
acres applied in 2018 (18,257 acres Class B; estimated 50,000 Class A, AB, EQ)	68,257	information provided in survey
Local regulations & their impacts?:	Some	(options: High, Moderate, Low,
details	no activity in 2018	None) With quotes of survey responses by state expert(s)
Legislative & state regulatory actions in 2018 & their impacts?:	None	
details	5 known county ordinances related to limita	
Biosolids beneficial use increasingin 2018?:	It's staying the same.	survey response by state expert
in 2020?: details	It's staying the same.	survey response by state expert
Changes in Biosolids Use & Disposal		
		*Change may be due to population
		increase/decrease and/or different
Change* in solids reported used or disposed (in units used by state):	(169,207)	systems of data tracking and reportin
Beneficial Use - percentage point increase or decrease (-):	20%	
Landfill & surface disposal - % point increase or decrease (-):	5%	
Incineration - percentage point increase or decrease (-):	-0.1%	calculated comparing these 2018 data to 2004 data compiled by the same
Class A - percentage point increase or decrease (-):	16%	survey team (NEBRA, 2007)
Class B - percentage point increase or decrease (-):	4%	
No class or not known - percentage point increase or decrease (-):	-20%	

Pressures on biosolids, 2018

1 PUBLIC INVOLVEMENT- concerns of neighbors, environmental groups, and others

2 MANAGEMENT ISSUES - the hassle of biosolids recycling/land application

3 COST – disposal options are least expensive

4 AGRICULTURAL ISSUES - declining farmland due to less agriculture or due to development, sprawl, seasonal restrictions, or competition with manures, etc.

5 REGULATIONS ON BENEFICIAL USE- strict EPA and/or state regulation and enforcement

survey response by state expert