

2,047

36%

600

120

N in this state's purchased fertilizer (metric tonnes, 2011): If all state's biosolids applied, what % of state's applied N would come from biosolids?

Phosphorus (P) in this state's biosolids (metric tonnes, 2018):

Nutrient Sources - Comparison

P in this state's animal manures (metric tonnes):

N in this state's animal manures (metric tonnes):

DASHBOARD

Data sources & methods:

State population:

Total land area in state (acres):

Population density (persons/square mile):

Biosolids Application Agricultural land cropland (acres):

Number of farms with that cropland:

% of state area in cropland:

Total number of WRRFs reported in state survey:

total number of WRRFs permitted/reported elsewhere:

Average population served per WRRF:

number of WRRFs in EPA ECHO reports for 2018:

avg.wastewater flow statewide (MGD, Seiple):

Data Quality & Methods

Quality & Confidence in this state's data:

Demographics & Wastewater

State biosolids included in 2018 EPA ECHO data

calculated assuming avg. 2% biosolids P riculture-nitrogen-and-phosphorus-manure

rchased

calculated

P in this state's purchased fertilizer (metric tonnes, 2011):	201	https://www.epa.gov/nutrient-policy-data/commercial-fer purchased
If all state's biosolids applied, what % of state's applied P would come from biosolids?	65%	calculated
State Regulatory Involvement		
Biosolids oversight agency / division:		y - water / wastewater program
Permitting of biosolids programs: of land application sites:	Non-NPDES permit (Order of A Non-NPDES permit (Order of A	
FTEs: state biosolids regulatory program:	0.1	survey response by state expert
Biosolids program FTEs per million population:	0.09	calculated
Enforcement: Inspections of biosolids facilities & field sites in 2018:	21 inspections were at WRRFs & in	ncluded solids survey response by state expert
Formal violations issued:	1	survey response by state expert
Amount of state regulations beyond Part 503:	Moderate	
Amount of state regulation of nutrient management & phosphorus:	Low	rankings by survey team based on
Accessibility of biosolids data to public:	Low	information provided in survey (opt
State encouragement of biosolids recycling to soils:	Low	High, Moderate, Low, None)
Voluntary additional protections by land appliers known & reported by state coordinator:	None	
Trends		
New land application activity, 2018 - new permits & acreage, acres applied:	Low	
acres applied in 2018:	no data only 1 compost facility recycles	rankings by survey team based on
Local regulations & their impacts?:	None	s plosolids to solls information provided in survey (opt High, Moderate, Low, None) With
details	no activity in 2018	of survey responses by state expert(s)
Legislative & state regulatory actions in 2018 & their impacts?:	None	
details	Unknown - has never occurred.	
Biosolids beneficial use increasingin 2018?:	It's staying the sam	
in 2020?: details	It's staying the same. survey response by state expert Only 1 composting facility in state that distributes EQ biosolids and remains consistent year-to-year. Out of stat preparers generally send same amount of EQ biosolids into RI each year.	
Changes in Biosolids Use & Disposal		
- •		*Change may be due to population
		increase/decrease, change in treatment large WWTP, and/or different systems o
Change* in solids reported used or disposed (in units used by state):	2,573 dry metric tons	tracking and reporting.
Beneficial Use - percentage point increase or decrease (-):	-6%	
Landfill & surface disposal - % point increase or decrease (-):	1%	
Incineration - percentage point increase or decrease (-):	5%	calculated comparing these 2018 da 2004 data compiled by the same su
Class A - percentage point increase or decrease (-):	-6%	team (NEBRA, 2007)
Class B - percentage point increase or decrease (-):	0%	
No class or not known - percentage point increase or decrease (-)	6%	