

Dissolved P is a more potent eutrophication agent than particulate P

- Aquatic organisms can immediately uptake dissolved P from water
- Particulate P

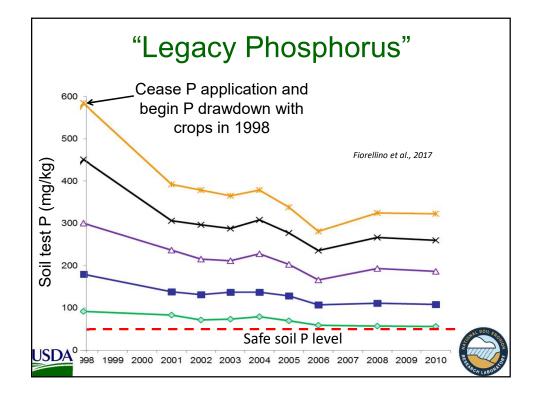
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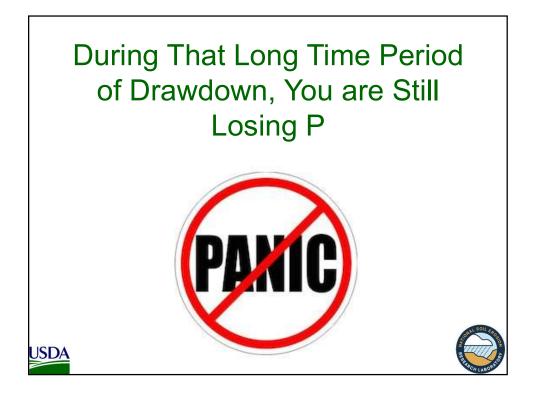
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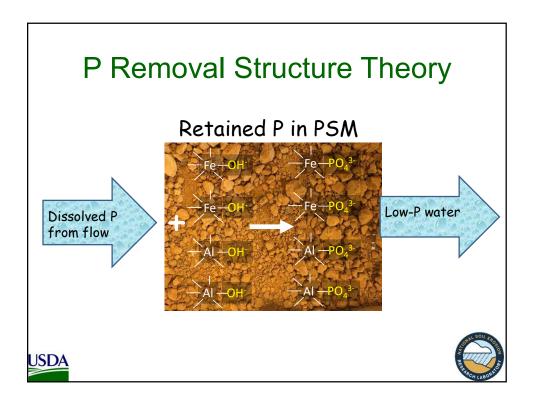
- Degree of bioavailability depends on the conditions
 - Some sediment that contains P may not release any P
 - · Some may actually adsorb dissolved











3 Necessary Components

- Effective PSM in sufficient quantity
- Sufficient flow rate and contact time
- Ability to retain and replace PSM

USDA

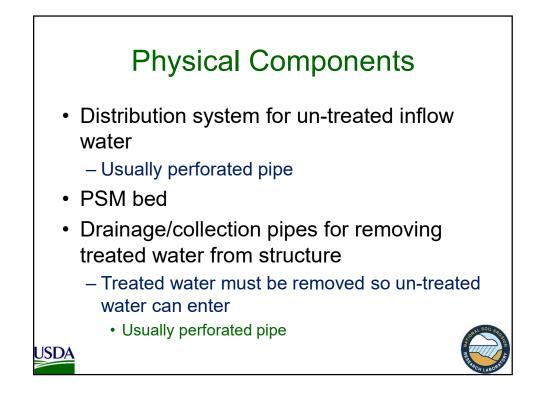


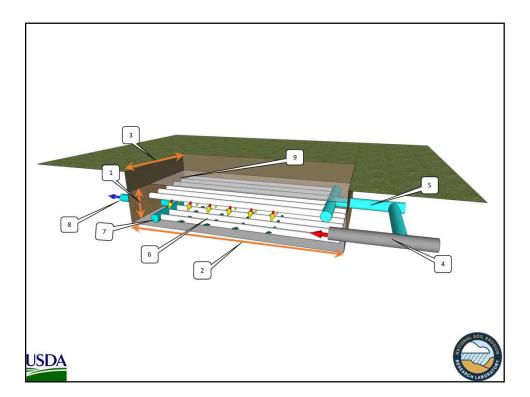


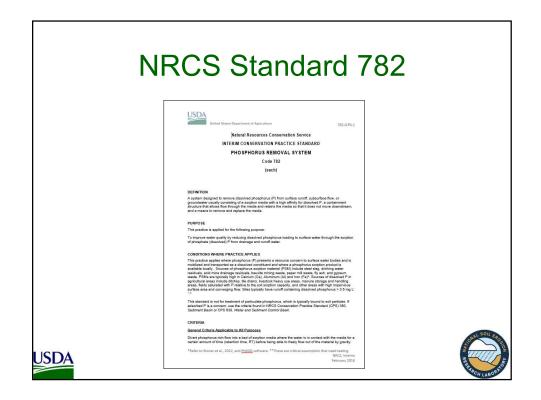


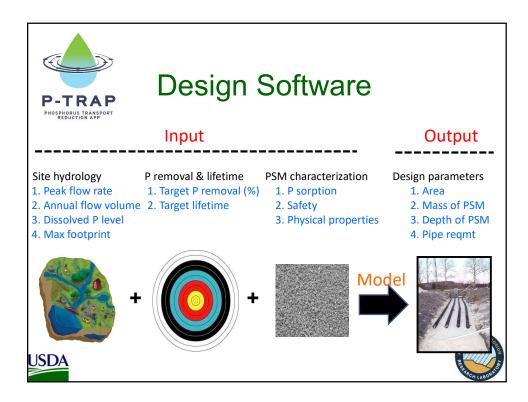


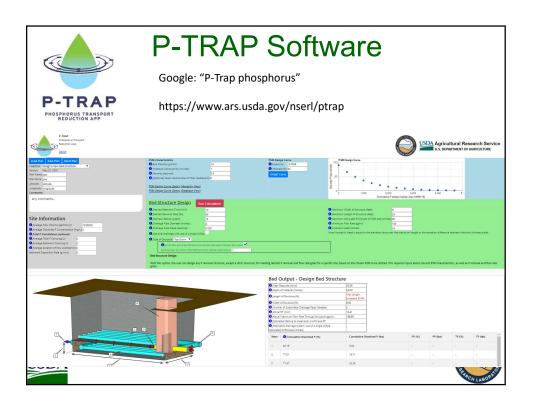




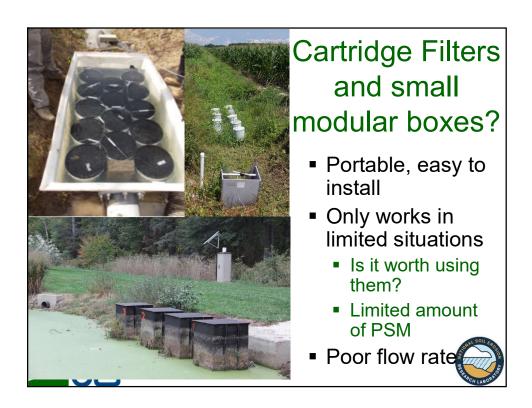


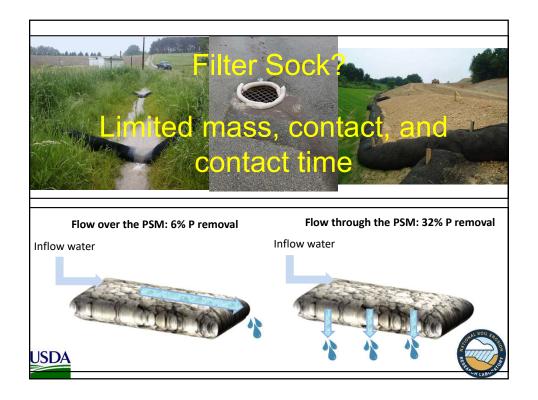


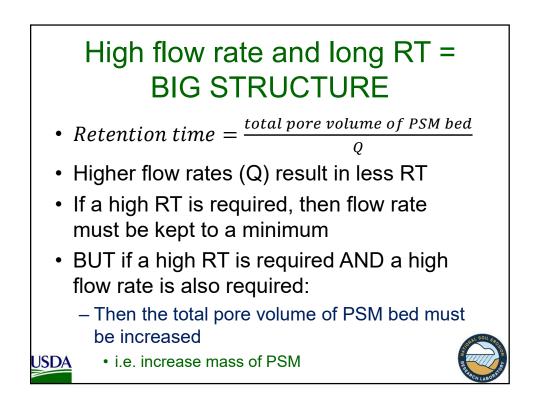


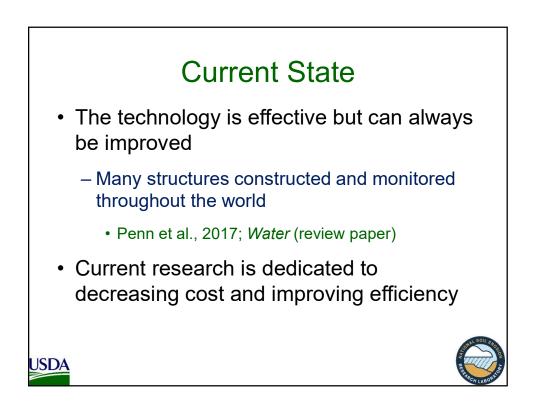


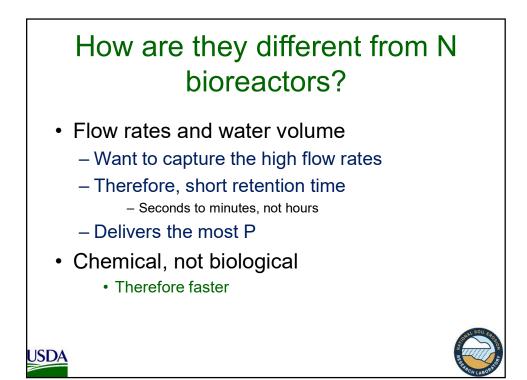


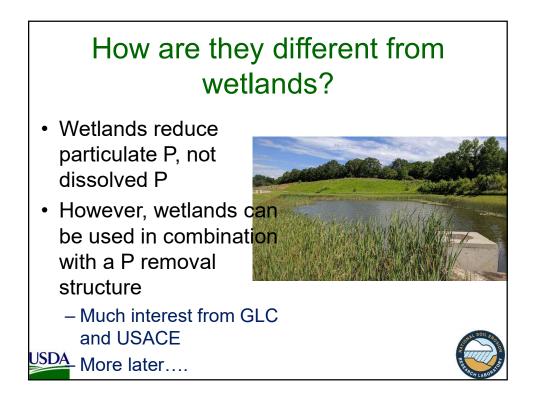




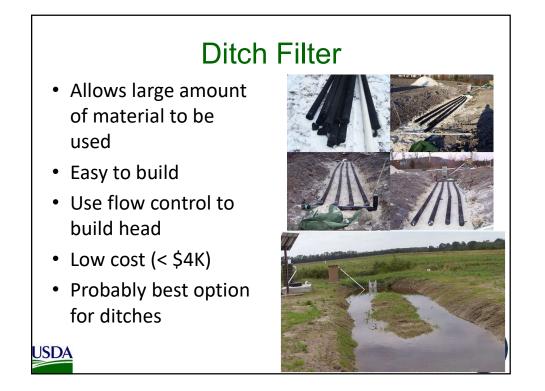




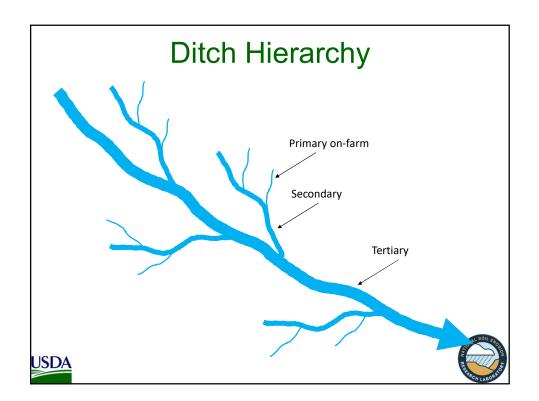


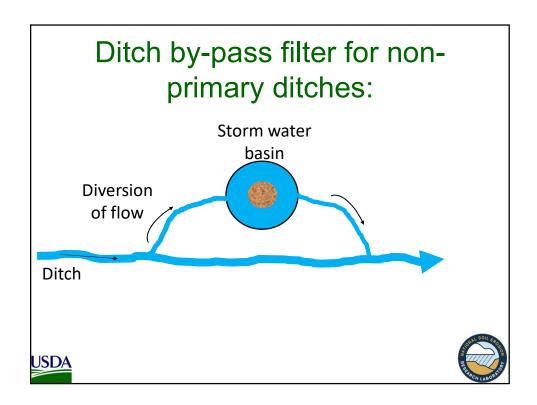


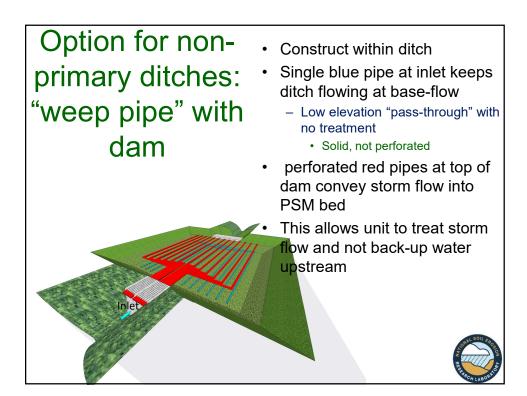


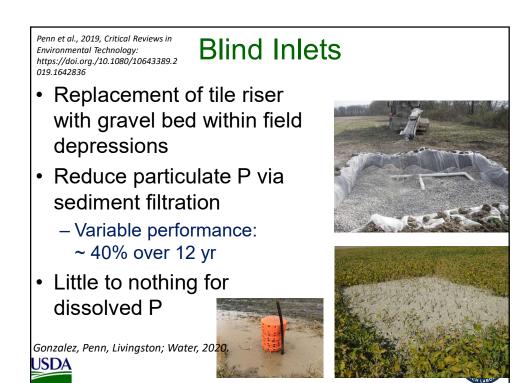


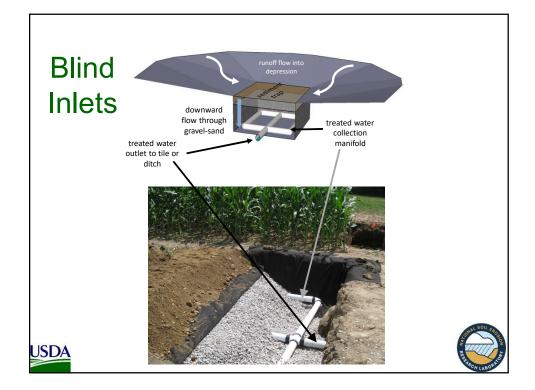




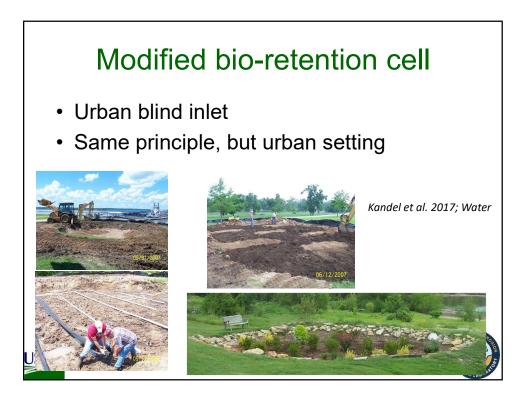


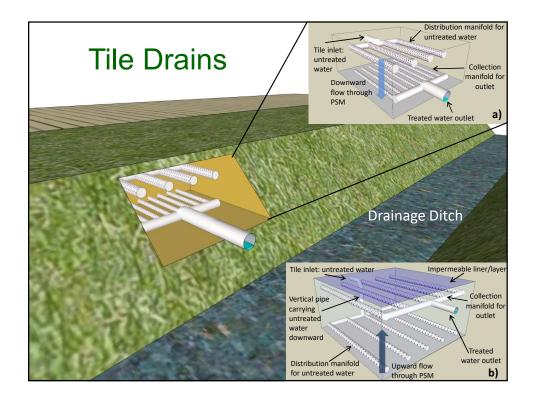


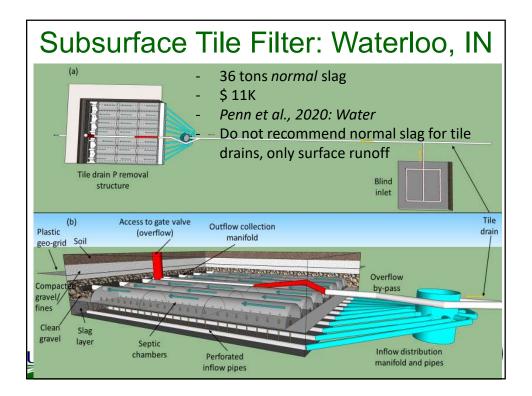






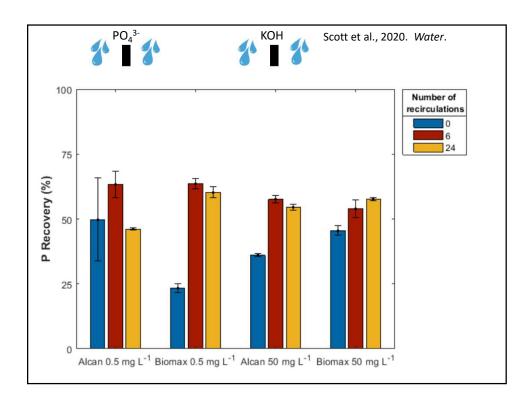








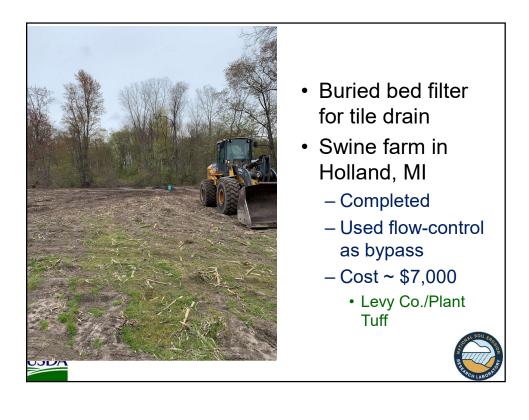


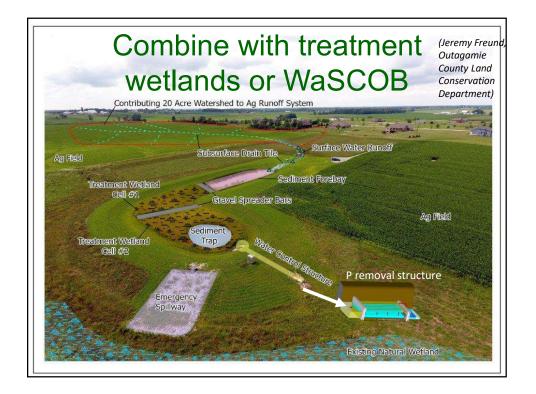


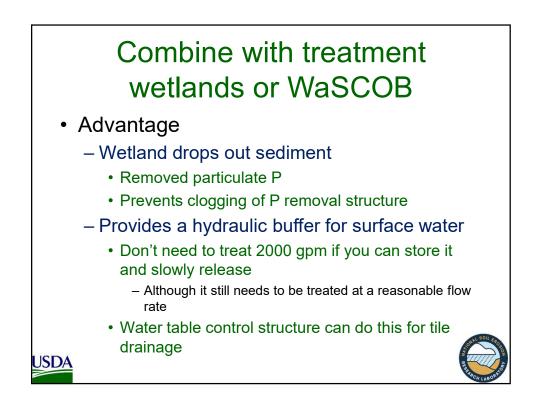


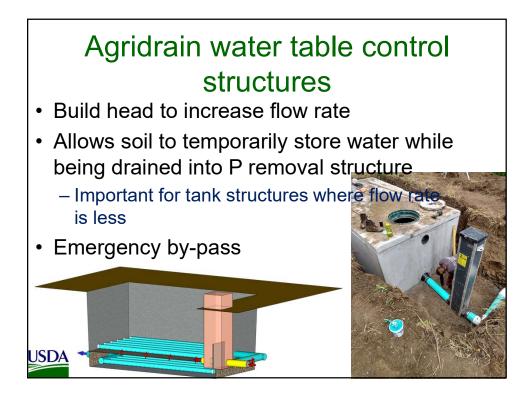






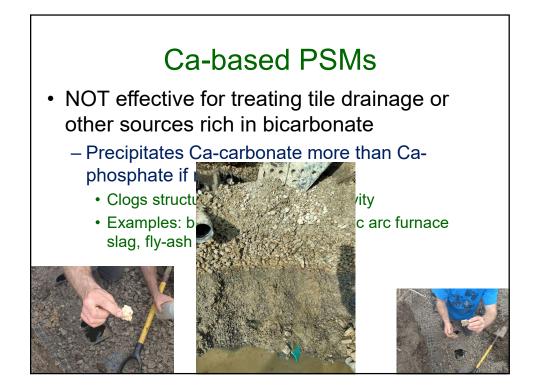


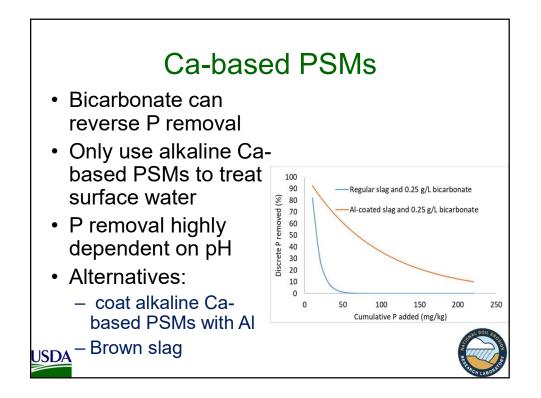
















Caution: true quantitative evaluation of performance requires flow rate and load measurements

Event			rion rolanic	% reduction	load in	load out
Lvent	in	out			mg	mg
1	0.208333333	0.07	8000	66.4	1666.66667	560
2	0.166666667	0.09	500	46	83.3333333	45
3	0.017857143	0.01	20000	44	357.142857	200
4	0.322580645	0.34	80000	-5.4	25806.4516	27200
5	0.555555556	0.18	1000	67.6	555.555556	180
6	0.175438596	0.06	2000	65.8	350.877193	120
7	0.138888889	0.07	6000	49.6	833.333333	420
8	0.120481928	0.05	300	58.5	36.1445783	15
9	0.113636364	0.04	900	64.8	102.272727	36

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