

Seed Treatment Disposal Resources



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Iowa State University Pesticide Safety Education Program

SECTION 5:

Discard of Seed Treatment Products and Treated Seeds

I. Disposal of Rinse Water from Seed Treatment Equipment

- Do not dump rinse water to soil, ground water, surface water, or septic systems.
- Minimize rinse water – wash out equipment only when necessary.
- Re-use rinse water if possible to dilute the next batch of formulations but only if using the same seed treatment recipe. Factor in the potential for increased concentration of active ingredient, if significant amounts of rinse water are used.
- Excess rinse water may be applied as a pesticide application to a field site for which the active ingredient is registered only if the applied concentration does not exceed the label recommendation.



Using rinsate

RESTRICTIONS

Zeltera Fungicide must be used only in accordance with use instructions on this label utilizing mechanical, slurry, or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. This product is for both commercial and on-farm application, and not for residential use. Do not use planter box or hopper box when applying product to seeds. Always mix product thoroughly before use.



No mention of being able to apply this product as foliar – only as seed treatment

Rinsate Disposal

Don't generate rinsate unless you have the ability to manage the rinsate

Reference: Scott Birchfield, 2019 TPSA Conference Panel, "Got Rinsate? Now What?"



PESTICIDE DISPOSAL

To avoid wastes, use container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

II. Disposal of Pesticide-Treated Seed

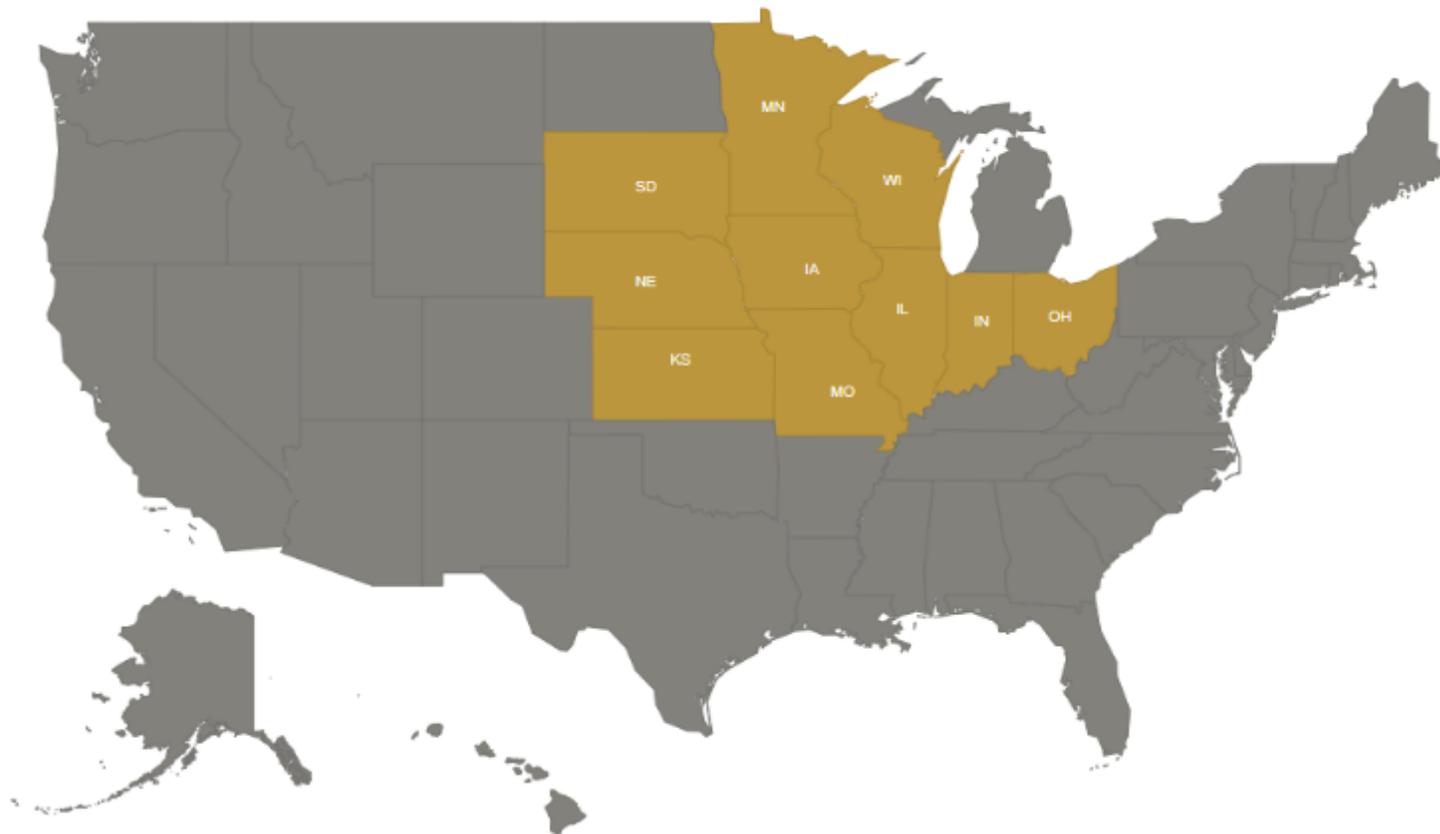
- Consult with your state and local authorities to ensure that your disposal plan is in compliance with all appropriate regulations.
- Disposal facilities will be required to have an EPA permit to dispose of pesticides, pesticide contaminated rinse water, or pesticide treated seed. Whether a facility has the proper permits to dispose of a “particular pesticide” can only be determined by directly contacting the specific facility.
- High Temperature Incineration by a Waste Management Facility
 - These facilities are in the disposal business but confirmation of the proper permits is still needed.
- Alternative Fuel Source for Power Plants or Cement Kilns
 - There are a variety of power plants that utilize alternative fuels, such as biomass, municipal solid waste, or non-fossil waste.
- Alternative Fuel Source for Ethanol Plants
 - Properly permitted ethanol plants can use treated seed as an alternate power source.
 - A very limited number of ethanol plants have permits to ferment treated seed but the distiller’s grain cannot enter the food or feed channels.
- Disposal in an Approved Municipal Landfill
 - Disposal in approved municipal landfills is permitted in some states depending the specific products used to treat the seed.
 - Determine if the treated seed, and the resultant seed dust, are federally classified as hazardous wastes under Federal Regulation Title 40--Protection of Environment, Chapter I- Environmental Protection Agency, Subchapter I-Solid Wastes, Part 261 Identification and listing of Hazardous Waste (40 CFR.261). Note that some states may have more stringent regulations than others. In addition, treated seed, and resultant seed dust, are subject to solid waste regulations at the state and local levels. Always check state and local regulations prior to disposing of treated seed or dust.
- The contacts for both solid and hazardous waste disposal in each state can be found [here](#).

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Treated Seed Disposal Map

<https://tpsalliance.org/resources/treated-seed-disposal-map/>



IOWA

Please scroll down to view all the information.

Contact Information (1)

SLA

Iowa Department of Natural Resources
Land Quality Bureau – Solid Waste (seed
treatment disposal)

Website

[Coming soon](#)

Program Manager

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Environmental Specialist Senior

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Contact Information (2)

SLA

Air Quality Bureau
(information to incinerate treated seed)

Website

[Coming soon](#)

Program Manager

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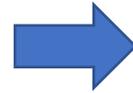
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SEED TREATMENT

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DISPOSAL OF TREATED SEED

A good treated seed disposal program starts with a careful calculation of the quantity of seeds needed. Disposal of treated seed is an involved and highly regulated process. All unwanted treated seed and sweepings must be handled as excess pesticide and disposed of according to federal, state, and local regulations. To protect yourself and the environment, contact your seed treatment supplier or state regulatory agency to learn how to safely dispose of unwanted treated seed in your area.