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SUGGESTED FUNGICIDES FOR WHEAT SEED TREATMENT

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For many wheat diseases, the time to consider ways of disease prevention is before the crop is planted. Such practices as crop rotation, proper seed bed preparation and the use of adapted varieties with disease resistance all play an important role in disease prevention. Wheat seed should be cleaned to remove shriveled kernels and other undesirable materials. Many disease causing organisms can be carried on foreign materials with the seed and can be removed by cleaning.

Seed treatment with a fungicide will provide protection against many seed and soil borne plant pathogens. Treating the seed with a fungicide is especially beneficial for the prevention of loose smut and covered smut, usually called bunt. To obtain adequate protection, it is absolutely essential for all seed to be thoroughly covered with fungicide. The fungicides listed below are currently cleared for treating wheat seed.

All seed treatment materials are poisonous or toxic. Mark treated seed and do not use for feed or food. Avoid inhaling dusts or fumes when treating. For proper precautions always read the product label before applying the chemical. Read the label for restrictions on livestock grazing.

The information given herein is for educational purposes only. References to commercial products or trade names is made with the understanding that no endorsement of a particular brand is intended by the Cooperative Extension Service.

Fungicide Trade Name	Chemical	Formulation	Rate of Formulation	Disease Controlled
*Arasan 70S	Thiram 70% Methoxychlor 2%	Powder	1 1/3 oz./bu.	Seed decay, Seedling blight and Bunt
Captan 30-DD	Captan 30%	Flowable Fluid	1.52 fl. oz./100 lb	Seed decay, Seedling blight and Bunt
Evershield RTU 1050	Carboxin 5% Thiram 10%	Flowable Fluid	4.36 fl. oz./100 lb	Seed decay, Seedling blight and Bunt
Granox NM	Maneb 50% HCB 10%	Powder	1 oz./bu.	Seed decay, Seedling blight and Bunt
Manzate 200 or Dithane M-45	EBDC 80%	Powder	2 oz./bu.	Seed decay, Seedling blight and Bunt
**Mist-o-Matic	Phenyl Mercuric Ammonium Acetate 3.5%	Liquid	½-3/4 fl. oz./bu.	Seed decay, Seedling blight and Bunt
Nusan 30 E.C.	TCMTB 30%	Flowable Fluid	3/4 fl. oz./bu.	Seed decay, Seedling blight and Bunt

Fungicide Trade Name	Chemical	Formulation	Rate of Formulation	Disease Controlled
Terra-Coat L205	PCNB 23.2% Terrazole 5.8%	Liquid	2 fl. oz./bu.	Seed decay, Seedling blight and Bunt
Terra-Coat LT-2	PCNB 24%	Liquid	2 fl. oz./bu	Seed decay, Seedling blight and Bunt
Thiram-30	Thiram 30%	Flowable Fluid	2.53 fl. oz./100 lbs	Seed decay, Seedling blight and Bunt
Orthocide 4F Seed Protectant	Captan 37.2%	Flowable Fluid	1 3/4 fl. oz./100 lbs	Seed decay, Seedling blight and Bunt
Vitavax-200	Carboxin 37.5% Thiram 37.5%	Flowable Fluid	3-4 fl. oz./100 lbs	Seed decay, Seedling blight, Bunt & Loose Smut
Vitavax	Carboxin 34%	Flowable Fluid	2-3 fl. oz./100 lbs	Specific for Loose Smut Control

* Arasan 70S should be applied as a slurry by means of a slurry type treater.
** Only for use in ready mix and slurry type treaters.

Fungicide Trade Name	Chemical	Formulation	Rate of Formulation	Disease Controlled
FUNGICIDES THAT CAN BE USED AS DRILL BOX SEED TREATMENTS:				
Arasan 50 Red	Thiram 50%	Powder	2 oz./bu.	Seed decay, Seedling blight and Bunt
Granox NM	Maneb 50% HCB 10%	Powder	1 oz./bu.	Seed decay, Seedling blight and Bunt
Terra-Coat SD 205	PCNB 20% Terrazole 5%	Powder	2 oz./bu.	Seed decay, Seedling blight and Bunt
Vitavax-25 DB	Carboxin 25%	Powder	4-6 oz./100 lbs	Seed decay, Seedling blight and Loose Smut. For Bunt control, use higher rate.

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