

# LEGUMESTAR™ SELECT ST TREATED SEED

This seed has been treated with:

Mefenoxam fungicide, Fludioxonil fungicide and Thiamethoxam insecticide  
(EPA Reg. 45002-54)

lb AI/100 lb Seed	mg AI per seed	Active Ingredient
_____	_____	Mefenoxam
_____	_____	Fludioxonil
_____	_____	Thiamethoxam

## CAUTION

**DO NOT USE FOR FEED, FOOD, OR OIL PURPOSE.**

**DO NOT** allow children, pets, or livestock to have access to treated seed.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long-sleeved shirt, long pants, chemical-resistant gloves, shoes plus socks, and protective eyewear when handling treated seed.

### FIRST AID

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. **DO NOT** induce vomiting unless told to do so by the poison control center or doctor. **DO NOT** give any liquid to the person. **DO NOT** give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center (888-347-6732) or doctor, or going for treatment.

### ENVIRONMENTAL HAZARDS

Treated seed exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds that are spilled during handling, loading, and planting. Excess or leftover treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.

For terrestrial use, **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

**DO NOT** contaminate water bodies when disposing of planting equipment wash water.

**Pollinator Precautions:** Thiamethoxam is highly toxic to bees exposed to direct treatment, and effects may be possible as a result of exposure to translocated residues in blooming crops. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

**Groundwater Advisory:** Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. Thiamethoxam may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow. Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of Mefenoxam where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory:** This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

### RESTRICTIONS

Treated seed must be planted into the soil at a depth greater than 1 inch.

**DO NOT** graze or feed livestock on areas planted from LegumeStar Select ST treated lentil and chickpea seed for 30 days after planting.

**DO NOT** graze or feed livestock on areas planted from LegumeStar Select ST treated soybean seed.

#### Rotational Crop Intervals:

- In the event of a crop failure or harvest of a crop grown from this treated seed, the field may be replanted immediately to Alfalfa, Brassica (cole) leafy vegetables, buckwheat, corn, pearl millet, proso millet, popcorn, rice (dry-seeded), sorghum, teosinte, wild rice, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corm vegetables may be planted immediately after this treated seed was planted.

- For any other crop, the minimum plant back interval is 120 days from the date seed treated with this product was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.

**DO NOT** apply a neonicotinoid insecticide within 45 days of planting soybean seed treated with this product.

With the exception of soybeans, **DO NOT** make any soil or foliar application of products containing thiamethoxam to crops grown from seed.

For soybeans, **DO NOT** exceed 0.03 lbs of ai per 100 lbs of seed for all mefenoxam seed treatment uses.

**DO NOT** apply more than 0.052 lb ai/A/calendar year of mefenoxam containing products as a seed treatment use on Soybeans.

**DO NOT** apply more than 1.0 lbs of mefenoxam active ingredient per acre per calendar year to lentils and chickpeas.

The maximum yearly total application rate for mefenoxam/metalaxyl for all applications (including seed treatments, foliar applications, soil applications) is 12.3 lb per acre per calendar year. **DO NOT** apply more than 12.3 lb total of the active ingredients mefenoxam/metalaxyl per acre per calendar year.

**DO NOT** use at a rate that will result in more than 0.083 lb. thiamethoxam per acre (37.8 grams ai/A) as a seed treatment application on soybeans.

**DO NOT** use at a rate that will result in more than 0.075 lb. (34.0 grams) thiamethoxam per acre as a seed treatment application for chickpeas or lentils.

The maximum application rate for thiamethoxam (including seed treatments, foliar applications, soil applications) is 0.266 lbs. AI per acre per calendar year.

**DO NOT** apply more than 0.266 lbs. thiamethoxam ai per acre per calendar year.

**CA RESTRICTION:** Seed and pod vegetable seed treated in California must be destined for planting in states other than California and is not to be planted in California.

### SEED STORAGE & DISPOSAL

Store treated seed away from feed and foodstuffs. Store treated seed in cool, dry conditions. **DO NOT** store leftover treated seed where there is a chance of it becoming mixed with untreated seed. Dispose of seed packaging in accordance with local requirements. Excess treated seed may be used for ethanol production only if: (1) By-products are not used for livestock feed, and (2) No measurable residues of pesticides remain in ethanol by-products that are used for agronomic practice.

### FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE

Call CHEMTREC (800) 424-9300.

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