

SOYBEANS - MEDIUM AND FINE (3% OR MORE OM)

General Information

GENERAL INFORMATION

This product is a selective preemergence herbicide for controlling annual grasses, annual broadleaf weeds, and sedges.

Mode of Action

This product is a root and shoot growth inhibitor that controls susceptible germinating seedlings before or soon after they emerge from the soil.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

APPLICATION INSTRUCTIONS

This product will provide most effective weed control when applied by ground or aerial equipment, and subsequently incorporated into soil by rainfall, sprinkler irrigation, or mechanical tillage prior to weed seedling emergence from soil. This product can also be applied through herbigation. This product is recommended for preplant incorporated, preplant surface, preemergence, early postemergence or layby (corn) treatment. This product may be applied using either water or sprayable fluid fertilizer as the spray carrier. Additionally, this product may be impregnated on and applied with dry bulk fertilizer. Sprayable fluid fertilizer as a carrier is not recommended for use after crop emergence. Refer to Additives for more information.

Application Rate

Use rates for this product when used alone, in tank mix, or sequential applications are given on the label. Refer to Crop-specific Information for additional rate information. Use rates of this product may vary by soil texture and organic matter. Soil texture groupings used in the label are coarse (sand, loamy sand, sandy loam),

medium (silt, silt loam, loam, sandy clay loam), and fine (sandy clay, silty clay, silty clay loam, clay loam, and clay). DO NOT apply to sand-textured soil with less than 3% organic matter (as determined by soil tests, if not known) where depth to groundwater is 30 feet or less. When use rates are expressed in ranges, use the lower rates for more coarsely textured soils lower in organic matter and use the higher rates for more finely textured soils that are high in organic matter.

Preplant Surface Applications. For use in minimum tillage or no-tillage production systems, apply this product alone or in tank mixes up to 45 days before planting. When making early preplant applications (15 to 45 days prior to planting), use the highest rate specified for the specific soil type. Early preplant applications are not for use on coarse-textured soils or in areas where average annual rainfall (or rainfall + irrigation) typically exceeds 40 inches. Early preplant applications may be applied as part of a split application program where the second application is made after planting (use 2/3 of this product's rate early followed by 1/3 of rate after planting). A split application is recommended when the initial application is made more than 30 days prior to planting. Tank mixes with postemergence herbicides registered for use on specific crop such as glyphosate, or Touchdown (glyphosate), or Gramoxone Inteon (paraquat) must be used when weeds are present at the time of application.

Preplant Incorporated Applications. Apply this product and incorporate into the upper (1 to 2 inches) soil surface up to 2 weeks before planting. Use a harrow, rolling cultivator, finishing disk, or other implement capable of giving uniform shallow incorporation. Avoid deeper incorporation or reduced weed control or crop injury may result.

Preemergence Surface Applications. Broadcast treatment uniformly to the soil surface after planting and before crop emergence. Rainfall, sprinkler irrigation, or shallow mechanical incorporation after application is required to move this product into the upper soil surface where weed seeds germinate. If adequate rainfall or irrigation does not occur and weed seedling emergence begins, a shallow cultivation or rotary hoeing will improve performance.

Early Postemergence Applications. This product must be applied prior to weed seedling emergence or in a tank mix with products registered for use on the specific crop on the label that control the emerged weeds. Refer to Crop-specific Information for specific postemergence applications by crop.

Layby Application. Use this product in field corn, seed corn and popcorn. See Crop-specific Information - Corn for more details on layby application.

Split Applications. This product may be used in split application programs where applications are made as part of the methods described above. If applications are less than 2 weeks apart, the total rate of this product used must not exceed the maximum rate given for each specific soil type. If applications are 2 weeks or more apart, a total use rate of this product of up to 21 fluid ounces per acre per year may be used on any soil type.

Fall Applications

For use only in the following states: North Dakota, South Dakota, Minnesota, Wisconsin, Iowa, north of Highway 136 in Illinois and north of Highway 91 in Nebraska.

This product may be used in fall applications to control weeds in minimum tillage or no-till corn or soybean production systems planted the following spring. Apply up to 21 fluid ounces of this product per acre to medium-and fine-textured soils with greater than 2.5% organic matter. Fall applications must be made after October 1. Apply this product in the fall after crop harvest when soil temperatures at the 4-inch depth are sustained at less than 55° F and before the ground freezes. Tillage operations may be conducted before or after applying this product. If following an application, tillage should be no more than 2 to 3 inches deep to uniformly incorporate the herbicide into the upper soil surface. If a sequential application program (fall application followed by spring application of this product) is used, the maximum combined rate of this product that may be applied is 21 fluid ounces per acre, per crop season.

Aerial Application Methods and Equipment

Water Volume: Use 2 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

Refer to the label to determine the specific rate when using the Ground Application (Banding).

Ground Application (Broadcast)

Water Volume. Use 5 or more gallons of water per acre. The actual minimum spray volume per acre is determined by the spray equipment used. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

Ground Application (Dry Bulk Fertilizer)

This product may be impregnated or coated onto dry bulk granular fertilizer carriers for preplant surface, preplant incorporated, or preemergence applications.

Impregnation or coating may be conducted by either the inplant bulk system or the on-board system. When impregnated onto some dry fertilizer blends, this product may exhibit a strong odor. Perform the mixing operation in well-ventilated areas.

This product may also be applied in herbicide tank mixes where the tank mix companion product is also registered for these application systems. Individuals or agents selling this product in these application systems are responsible for following all state and local regulations regarding fertilizer and herbicide blending.

Addition of a drying agent may be necessary if the fertilizer and herbicide blend is too wet for uniform application due to high humidity, high urea concentration, or low fertilizer use rate. Slowly add the drying agent to the blend until a flowable mixture is obtained. Drying agents are not recommended for use with on-board impregnation systems.

Under some conditions, fertilizer impregnated with this product may clog air tubes or deflector plates on pneumatic application systems. Mineral oil may be added to this product before blending with fertilizer to reduce plugging. DO NOT use drying agents when mineral oil is used. To avoid separation of this product and mineral oil mixes in cold temperatures, either keep mixture heated or agitated prior to blending with fertilizer. Mineral oil may be used at in-plant blending stations or on-board injection systems.

Apply 200 to 750 pounds of the fertilizer and herbicide blend per acre. Application must be made uniformly to the soil to prevent possible crop injury and offer

satisfactory weed control. Impregnated fertilizer spread at half rate and overlapped to obtain a full rate will offer a more uniform distribution. For granular fertilizer application, to protect small birds and mammals, soil incorporation of the granules is required. A shallow (1 to 2 inches) incorporation is desirable for improved weed control. Deeper incorporation may result in unsatisfactory weed control.

RESTRICTIONS AND LIMITATIONS

- Maximum seasonal use rate. DO NOT apply more than a total of 0.98 pound of active ingredient dimethenamid-P (21 fluid ounces of this product) per acre, per season.

- This product is not for sale, distribution, or use in Nassau and Suffolk counties in New York State, or in the state of Hawaii.

- Crop rotation restriction

a.) If any labeled crop treated with this product is lost to adverse weather or for other reasons, the area treated may be replanted to any of the labeled crops immediately, unless specified otherwise in the Crop-specific Information section of the label.

b.) If the original treatment with this product was broadcast, DO NOT make a second application of this product.

c.) If the original application was banded and the second crop is planted in the row middles, a second band application may be applied.

d.) Refer to Crop-specific Information for crop-specific recropping and rotational cropping instructions.

e.) Fall-seeded cereal crops may be planted 4 months or more following treatment.

f.) There are no rotational crop restrictions for the spring following the previous year's application of this product.

- Stress. Applications to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, or widely fluctuating temperatures may result in crop injury.

- DO NOT contaminate irrigation ditches or water used for domestic purposes.

Limitations, Restrictions, and Exceptions

SOYBEANS

This product may be applied preplant surface, preplant incorporated, preemergence or early postemergence (from first- to third-trifoliate leaf stage) to soybeans as a single or split application.

If this product is applied preplant incorporated, the incorporation must be uniform and shallow (upper 1 to 2 inches of soil). Deeper incorporation may reduce weed control or increase the potential for crop injury. Preplant incorporated treatments are not for use on coarse soils with less than 1.5% organic matter.

If extreme conditions of high rainfall and extended periods of water-saturated soil occur during soybean germination or early seedling development, use of this product may result in temporary growth suppression.

Temporary soybean burn and stunting may occur if application of this product, spray adjuvants and tank mixed herbicides are applied to emerged soybeans up through the unifoliate stage. These suppressions have not resulted in reduced soybean yield potential.

The maximum use rates of this product in a single application are 12 to 18 fluid ounces on coarse-texture soils and 18 to 21 fluid ounces on medium- or fine-texture soils, but are also influenced by soil organic matter content.

Crop-specific Restrictions and Limitations

DO NOT graze or feed forage, hay, or straw to livestock.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Surface](#)

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Soils

[Medium](#)

[Silt Loam](#)

[Silt](#)

[Fine](#)

[Silty Clay Loam](#)

[Sandy Clay Loam](#)

[Silty Clay](#)

[Sandy Clay](#)

[Clay Loam](#)

[Clay](#)

Timings

[Preemergence \(Crop\)](#)

[Preplant](#)

[Preplant Incorporated](#)

[Early postemergence \(from first- to third-trifoliate leaf stage\) to soybeans.](#)