



Realize excellent pre- and/or postemergence weed control and crop tolerance.

DuPont™
Matrix® SG
herbicide

Potatoes—Idaho

Season-long weed control in potatoes is possible with DuPont™ Matrix® SG herbicide. Whether you're growing Russet Burbank or a metribuzin-sensitive variety like Shepody, you'll see improved weed control and reduced crop stress when you include DuPont™ Matrix® SG in your weed control program.

Benefits of a Matrix® SG weed control program

Excellent potato tolerance

Matrix® SG can be used with confidence on just about all potato varieties. Growers who implement a recommended Matrix® SG herbicide program can reduce the amount of metribuzin applied, and diminish concerns about stressing young potato plants.

Broad-spectrum performance on tough weeds

Matrix® SG tank mixes deliver effective management of weeds, including redroot pigweed, hairy nightshade, kochia, volunteer grain and many others.* They offer a genuine step up in control, plus Matrix® SG offers suppression of lambsquarters, quackgrass and Canada thistle. With better, more consistent weed control, you'll have cleaner fields and improved yield, tuber quality and ease of harvest.

Application flexibility

Matrix® SG can be applied pre- or postemergence to weeds and potato plants by ground, air or chemigation. For best results, follow a basic preemergence treatment with a planned POST application of Matrix® SG.

More versatility

Flexible timing options for pre- and/or postemergence usage of Matrix® SG allow appropriate applications with less worry about weather-related herbicide risks.

Crop rotation options

Matrix® SG degrades quickly in the soil, allowing for flexibility in crop rotation options, including cereals and dry beans. See the Matrix® SG product label for specific crop-rotation intervals.

Low use rate

With a use rate of only 1 to 1.5 ounces of Matrix® SG per acre, the small 15-ounce container treats 10 to 15 acres. And the dry-flowable formulation means there is no offensive odor or staining.

Good stewardship

Matrix® SG works only on a plant enzyme that is not found in fish, wildlife or humans. Once applied, it is unlikely to move into surface water or ground water because of its rapid breakdown and soil-binding characteristics. Matrix® SG applications made according to the label do not result in any detectable residues in the tuber.

Economical weed control

Matrix® SG offers a new standard for weed control at an economical price. Whether you are spraying before or after weeds and potatoes emerge, Matrix® SG is the best choice to build an effective and economical weed-control program.

* Not all possible combinations available have been tested. Performance among treatments will vary depending upon environmental conditions, tank-mix partners and adjuvants.

DuPont™ Matrix® SG

herbicide

Why use DuPont™ Matrix® SG herbicide?

- Easy to handle: A low use rate of 1.0 to 1.5 ounces per acre.
- Wide application window: Can be applied **preemergence or postemergence**.
- **Gentle** on young potato plants.
- Can be used on most potato varieties.
- **Tank-mix flexibility:** Can be mixed with most potato herbicides/fungicides.
- Nonvolatile, no offensive odors or stains.
- Provides good activity on tough weeds: **nightshade,* wild oat,* pigweed, kochia, volunteer alfalfa* and quackgrass.**

How to use Matrix® SG for best results

Preemergence to the weeds

- Start with a clean seedbed via a timely, effective cultivation.
- Preemergence herbicides work best if applied and incorporated before weeds germinate and establish a root system.
- If a timely preemergence application/incorporation cannot be made, then consider using Matrix® SG in a planned postemergence program.
- Activate with irrigation as soon as possible after application.
 - 1/2 inch — sandy loam
 - 3/4 inch — silty loam
- Use rates: Matrix® SG at 1.5 ounces per acre plus 1/2 to 2/3 pound of Sencor.
- For high populations of nightshade, use a three-way tank mix of Matrix® SG plus Sencor plus Eptam, Prowl or Dual.
- Apply by ground or chemigation.

Postemergence to the weeds

- For best results, apply by ground at 15 gallons per acre (GPA) or by air at 5 to 7 GPA.
- Apply when weeds are small (broadleaf weeds 1 inch or smaller; wild oats 2 to 6 inches).
- Matrix® SG alone (for management of nightshade,* pigweed, wild oat,* volunteer alfalfa*): Apply 1.5 ounces of Matrix® SG plus 1 gallon of MSO per 100 gallons of water. Adding Eptam can improve control of volunteer alfalfa* and lambsquarters*.
- Matrix® SG plus Sencor: The use of MSO is not recommended with this tank mix. Instead, add 1 pint per 100 gallons of surfactant plus Eptam. Use this combination when lambsquarters and kochia are part of the postemergence weed spectrum.
- In areas where multiple cultivations are made, maximize Matrix® SG contact control by irrigating before application to wash soil from the leaves of weeds.
- Water appropriately to activate soil residual activity.

For more information

Contact your local DuPont retailer or representative for more information about Matrix® SG herbicide programs. And visit us at matrix.dupont.com.

* Partial control

Some products may not be registered for sale or use in all states. Contact your DuPont retailer or representative for details and availability in your state.

This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank-mix combinations.

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Sencor® (Bayer); Dual® (Syngenta); Eptam® (Gowan); Prowl® (BASF SE).

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