

Potatoes

Idaho

DuPont™ Matrix®

herbicide

Excellent pre- and/or postemergence weed control, and crop tolerance

Season-long weed control in potatoes is possible. 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® in your weed control program.

The benefits of a Matrix® weed control program

Excellent potato tolerance

Matrix® can be used with confidence on just about all potato varieties. Growers who use a recommended Matrix® herbicide program can reduce the amount of metribuzin applied, as well as reduce concern about stressing young potato plants.

Broad-spectrum performance on tough weeds

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

Application flexibility

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

More breathing room

Versatile application options for preemergence or postemergence timing to weeds and potatoes allow more breathing room to get your herbicides applied in a timely manner with less concern about weather-related herbicide risk.

Crop rotation options

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

User friendly

With a use rate of only 1 to 1.5 ounces of Matrix® 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® 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® applications made according to the label do not result in any detectable residues in the tuber.

Economical weed control

Matrix® offers a new standard for weed control at an economical price. Whether you are spraying before or after weeds and potatoes emerge, Matrix® 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.

Why use DuPont™ Matrix® 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.
- Handles tough weeds: **nightshade^p, wild oat^p, pigweed, kochia, volunteer alfalfa^p and quackgrass.**

How to use Matrix® 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® in a planned postemergence program.
- **Activate with irrigation as soon as possible** after application.
 - ½ inch — sandy loam
 - ¾ inch — silty loam
- Use rates: Matrix® at 1.5 ounces per acre plus ½ to ¾ pound of Sencor.
- For **high populations of nightshade**, use a three-way tank mix of Matrix® 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 air at 5 to 7 GPA.
- Apply **when weeds are small** (broadleaf weeds 1 inch or less; wild oats 2 to 6 inches).
- Matrix® alone (for management of nightshade^p, pigweed, wild oat^p, volunteer alfalfa^p): Apply 1.5 ounces of Matrix® plus 1 gallon of MSO per 100 gallons of water. Adding Eptam can improve control of volunteer alfalfa^p and lambsquarters^p.

- Matrix® 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 combo when lambsquarters and kochia are part of the postemergence weed spectrum.
- In areas where multiple cultivations are made, maximize Matrix® contact control by irrigating before application to wash soil from leaves of weeds.
- Water appropriately to activate soil residual activity.

For more information

Contact your local DuPont crop protection retailer or DuPont representative for more information about Matrix® herbicide programs. And visit us on the Web at matrix.dupont.com.

^p Partial control

This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above products contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. 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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