

## Potatoes/Seed Potatoes

Maine

# 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 Atlantic, 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 commonly grown in Maine. Growers who adopt a recommended Matrix® herbicide program can reduce metribuzin use as well as concern about stressing young potato plants.

#### Broad-spectrum performance on tough weeds

For weeds like mustards, wild radish, false chamomile, redroot pigweed, volunteer grain and many others, a Matrix® herbicide program offers a genuine boost in control. Matrix® also provides partial control of wild oat, quackgrass and Canada thistle. Better, more-consistent weed control will mean cleaner fields and improvements in yield, tuber quality and harvest ease.

#### Application flexibility

Matrix® can be applied pre- or postemergence 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 and 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 spring oats and spring barley. See the Matrix® product label for specific crop rotation intervals.

#### User friendly

With a low-use rate of only 1.0 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 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.

## DuPont™ Matrix® use recommendations for effective, broad-spectrum weed control

Situation		Treatment	Application
<b>Russet Burbank</b> (and other metribuzin-tolerant varieties)	Light weed pressure	Matrix® at 1.5 oz/A + Sencor herbicide at 0.5-0.66 lb/A + non-ionic surfactant at 1-2 pt/100 gal of water.	Apply just after hilling, pre- or post-emergence to potatoes and preemergence to weeds or while weeds are still small.  For best results, apply to moist soil and activate with 0.5" (sandy soil) to 1" (heavy soil) irrigation or rainfall within a few days.
	Most fields	Matrix® at 1.5 oz/A + Sencor at 0.5-0.66 lb/A + Eptam, Prowl or Dual + non-ionic surfactant at 1-2 pt/100 gal of water.	Same as above, plus follow Eptam, Prowl or Dual labels and application instructions.
<b>Shepody</b> (and other metribuzin-sensitive varieties)		Matrix® at 1.5 oz/A + Eptam, Prowl or Dual + non-ionic surfactant at 1-2 pt/100 gal of water.	Same as above, plus follow Eptam, Prowl or Dual labels and application instructions.
<b>Chemigation</b>		Any of the above treatments + non-ionic surfactant at 1 pt/A.	For best results, apply preemergence to weeds.  Run pivot at fastest cycle or during first part of the sprinkler set. Follow with rainfall or irrigation for a combined total of 0.5" (sandy soil) to 1" (heavy soil) within a few days.
<b>Postemergence applications</b>		Matrix® at 1-1.5 oz/A + methylated seed oil (MSO) or crop oil concentrate (COC) at 1 gal/100 gal of spray solution  Matrix® at 1-1.5 oz/A + Sencor at ½-¾ lb/A + non-ionic surfactant at 1-2 pt/100 gal of water.	Apply to young, actively growing weeds. Small weeds <1" in height are most easily controlled. Rain or irrigation no sooner than 4 hours, but not more than 5 days, after application is best. Good coverage is important.  Addition of Eptam or Sencor may aid in control of emerged common lambsquarters. The use of COC or MSO is not recommended for tank mix combinations with Matrix® plus metribuzin.

### Crop response

If crop response does occur, the symptoms are usually in the form of mild, temporary chlorosis (lighter shade of green) lasting only a few days. Tests show that crop yield and grade are not affected.

### Label instructions

For best results, always read and follow the Matrix® label and the labels for companion products used. Always follow the most restrictive label. Pay special attention to instructions for sprayer tank cleanout and avoiding spray drift.

### 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](http://matrix.dupont.com).

*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 applications.*

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Reorder No.: K-14427 (Replaces K-05874)*



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