



ADAMA

HERBICIDE

# SQUADRON® II

This broad-spectrum herbicide is registered to control both grassy and broadleaf weeds in a broad range of crops, particularly in soybean, potatoes and highbush blueberries.



GROUP 5

## Active Ingredient

75% Metribuzin = WDG

## Packaging

Case: 4 x 5 kg jugs

## Application Rates & Acres Treated

**Rate:** Please refer to the label for application rates as these vary based on crop, soil type and application methods.

**Area Treated:**

15 – 60 acres/jug

## Rainfastness

6 hours after foliar application

This broad-spectrum herbicide is registered for grassy and broadleaf weed control in a wide range of crops, most notably soybeans, potatoes, and highbush blueberries. It can work alone or in combination with recommended tank mixes. The new SQUADRON® II pan-granulated formulation offers growers increased effectiveness over SQUADRON and other extruded formulated metribuzin products.

## BENEFITS OF IMPROVED FORMULATION

- Enhanced effectiveness due to increased solubility
- Easier to use as it is less foamy than Squadron
- Stays in solution after 24 hours
- Better compatibility with other herbicides, especially Roundup WeatherMAX®

## REGISTERED CROPS

- Asparagus (established)
- Fruit trees (newly planted and established)
- Highbush blueberries (newly planted)
- Potatoes
- Processing carrots
- Soybeans<sup>1</sup>
- Sweet white lupins
- Transplanted tomatoes (grown for processing)

<sup>1</sup> Do not use SQUADRON® II on AC Brant, Apache, Baron, Emosa, Maple Amber, Maple Ridge, IA 1003 or S-240 varieties.

# SQUADRON® II

## KEY WEEDS CONTROLLED

### Broadleaf weeds:

- Carpetweed<sup>1</sup>
- Cocklebur
- Common chickweed
- Common ragweed
- Corn spurry<sup>2</sup>
- Dandelion (seedling)
- Green smartweed
- Hempt-nettle<sup>2</sup>
- Jimsonweed<sup>1</sup>
- Lady's thumb
- Lamb's quarters
- Prickly mallow
- Prostrate pigweed
- Redroot pigweed
- Russian thistle
- Shepherd's purse
- Stinkweed<sup>3</sup>
- Velvetleaf
- Wild buckwheat<sup>3</sup>
- Wild mustard
- Wild potato vine
- Yellow woodsorrel<sup>1</sup>

### Grassy Weeds:

- Barnyard grass
- Cheat grass
- Crabgrass
- Fall panicum
- Giant foxtail
- Green foxtail
- Johnson grass (seedling)
- Witch grass
- Yellow foxtail

<sup>1</sup> pre-emergence only | <sup>2</sup> Suppression with multiple post-emergence applications of 200 g/ha | <sup>3</sup> Post-emergence only

## SOIL TYPES AND RESTRICTIONS

The recommended use rates of SQUADRON® II are dependent upon soil texture and the organic matter content of the soil being treated: coarse, medium and fine.

The following chart outlines the soil textures included in each of the soil texture groupings:

| Coarse                 | Medium   | Fine   |
|------------------------|--|--|
| Loamy sand, Sandy loam | Loam, Silt loam, Silt, Sandy clay loam, Sandy clay | Silty clay loam, Silty clay, Clay loam, Clay |

- On variable soils with coarse sandy areas, some crop injury may occur on the sandy areas if the rate used is for the finer soil type.
- Sandy loam and silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions.
- Do not use this product on muck soils. If SQUADRON® II is applied to muck soils, subsequent crops may be injured.
- Do not use on coarse soils with less than 2% organic matter.

## PRE-HARVEST INTERVALS

- Asparagus: 14 days
- Newly planted blueberries: 2 years
- Potatoes, tomatoes: 60 days

## CROP ROTATIONS

Rotational crops such as onions, celery, peppers, cole crops, lettuce and spinach, sugar beets, table beets and turnips, pumpkins and squash, cucumbers and melons, tobacco and non-triazine-tolerant canola (rapeseed) are sensitive to SQUADRON® II and may be injured if seeded in soil treated with SQUADRON® II during the year of application or the following crop year.

Fall planted or cover crops such as wheat, oats and rye may be injured when planted within the same season.

## HOW IT WORKS

Metribuzin inhibits the photosynthesis of grassy and broadleaf weeds. Used pre-emergently, susceptible weeds and crop seedlings emerge through treated soil, but 2–5 days later the weeds show chlorosis and necrosis. Plants treated post-emergently show chlorosis and necrosis between leaf veins, followed by wilting and death.

SQUADRON® II is the same concentration as the SQUADRON original formulation, but with a new production method. The new formulation, with its smaller particle size (averaging four microns), disperses more rapidly and, at rest, stays suspended longer than the original metribuzin formulation (average particle size of 6 microns).

## THE NEW SQUADRON II (PAN-GRANULATED) VS. SQUADRON (EXTRUDED) FORMULATION

When compared, side-by-side at varying times, the differences in dispersion between the two formulations, and the superiority of Squadron II can clearly be seen. The images below show the difference between the two formulations after 60 minutes, 4 hours and 24 hours without agitation.

NOTE: Both of these products are labelled with the need to maintain good agitation when tank-mixed. Squadron II is far less foamy than Squadron. In dispersing both products, good agitation should be maintained. Squadron II is superior to Squadron I when tank-mixed with Weathermax (potassium salt).

Squadron II: Pan Granulation 2, 4, 6

Squadron: Extruded 1, 3, 5

|                  | Metribuzin Alone  | Metribuzin + Clethodim + Adjuvant  | Metribuzin + 2,4-D  |
|------------------|---|--|---|
| After 60 minutes |  |  |  |
| After 4 hours    |  |  |  |
| After 24 hours   |  |  |  |



Always read and follow label directions.

# SQUADRON® II

## APPLICATION TIMING AND CROP STAGING

| Crop  | Crop Stage   | Products Required  |
|---|--|--|
| Soybeans  | Pre-plant incorporated   | SQUADRON® II plus Treflan® EC, Dual II Magnum®, Frontier® or Axiom® DF   |
|   | Pre-emergence following pre-plant incorporated application of other herbicides | Treflan® EC followed by SQUADRON® II; or Dual II Magnum® followed by SQUADRON® II  |
|   | Pre-plant surface or burn-off application                                      | SQUADRON® II alone or with PHANTOM® 240 SL (Pursuit®), glyphosate, Axiom® DF, Lorox® DF, Dual II Magnum®   |
|   | Pre-emergence application  | SQUADRON® II alone or with PHANTOM® 240 SL (Pursuit®), glyphosate, Axiom® DF, Lorox® DF, Dual II Magnum®, Frontier®, Linuron 50%, Linuron 480, Broadstrike™ Dual |
| Potatoes  | Pre-emergence  | SQUADRON® II alone or with Dual II Magnum®, Linuron 50%, Linuron 480   |
|   | Early post-emergence   | SQUADRON® II alone or with Venture® L  |
|   | Pre-emergence or early post-emergence or pre-plant incorporated                | SQUADRON® II plus Dual II Magnum® or Eptam® 8-E  |
|   | Split application (pre- and post-emergence)                                    | SQUADRON® II alone   |
| Transplanted tomatoes (grown for processing only) | Pre-plant incorporated   | SQUADRON® II plus Treflan® EC, Dual II Magnum®   |
|   | Post-emergence   | SQUADRON® II alone   |
| Asparagus (established)                           | Pre-emergence  | SQUADRON® II alone   |
| Processing carrots                                | Post-emergence   | SQUADRON® II alone   |
| Highbush blueberries                              | Pre-emergence to weeds   | SQUADRON® II alone   |

### INSECTICIDE TANK MIXES WITH SQUADRON® II

SILENCER® 120 EC and ZIVATA™ are supported tank mix for soybeans, potatoes, transplanted tomatoes (grown for processing only), asparagus (established) and processing carrots.

Timing of applications should be based on the presence of vulnerable pest developmental stages and significant populations as determined by local monitoring.

### QUICK TIPS:

New pan-granulated formula is the same concentration as our original formulation but with a new production method; it has a smaller particle size (averaging 4 microns) which disperses more rapidly and at rest stays suspended longer than the original metribuzin formulation (average particle size of 6 microns).



Always read and follow label directions.  
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