

## PRODUCT INFORMATION BULLETIN

**FIFRA Section 2(ee) Recommendation  
Expiration Date: December 2012**

### FOR USE AND DISTRIBUTION IN THE STATES OF CALIFORNIA, OREGON AND WASHINGTON ONLY



EPA Reg. No. 5905-579

### LOWER RATES FOR CONTROL OF WEEDS

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### ALFALFA

VELOSSA™ is recommended for control of certain weeds in established alfalfa grown for hay.

- Do not apply within 30 days of harvest (cutting for hay), or feeding of forage or grazing.
- Do not exceed 4.8 pints per acre per application.
- Do not exceed 4.8 pints (1.2 pounds active ingredient Hexazinone) per acre per year.
- Do not use on alfalfa grown for seed in any state except California.

#### USE RATES

Use higher rates on hard-to-control species, (see “Weeds Controlled” section below) fine-textured soils, soils containing greater than 5% organic matter, or under diverse environmental conditions such as temperature extremes or when weeds are stressed due to low rainfall.

For dormant alfalfa, use a surfactant approved for crops at the rate of 0.25% v/v (1 quart per 100 gallons of spray solution).

Select the appropriate rate for soil texture and organic matter content as follows:

VELOSSA™ (Pints/Acre)			
Percent Organic Matter in Soil Description			
Soil Texture	<1%	1-5%	>5%
<b>Coarse</b> Loamy sand, sandy loam	1.6 – 2.4	1.6 – 2.4	3.2 – 4.8
<b>Medium</b> Loam, silt loam silt, clay loam, sandy clay loam	1.6 – 2.4	2.4 – 4.8	3.2 – 4.8
<b>Fine</b> Silty clay loam, sandy clay, silty clay, clay	2.4 – 4.8	2.4 – 4.8	3.2 – 4.8

#### NOTE:

- In the states of MT, ND, SD, and WY: Do not exceed a use rate of 3.2 pints per acre on medium- and fine-textured soils.
- In the state of Montana (MT): Do not apply to soils with less than 1.5% organic matter.
- In the state of Wyoming (WY): Do not apply to soils with less than 0.5% organic matter. Apply to irrigated alfalfa only.

## WEEDS CONTROLLED

VELOSSA™, when applied preemergence or early postemergence at the following rates, will control these weed species in alfalfa:

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### 0.8-1.6 PINTS/ACRE

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Tansymustard	<i>Descurainia pinnata</i>
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### 1.6-3.2 PINTS/ACRE

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Bluegrass, annual	<i>Poa annua</i>
Brome, downy (cheatgrass)	<i>Bromus tectorum</i>
Buckwheat, wild	<i>Polygonum convolvulus</i>
Catchfly, English	<i>Silene gallica</i>
Chamomile, mayweed (dogfennel)	<i>Anthemis cotula</i>
Chickweed, common	<i>Stellaria media</i>
Fiddleneck, tarweed	<i>Amsinckia lycopsoides</i>
Filaree	<i>Erodium</i> spp.
Flixweed	<i>Descurainia Sophia</i>
Groundsel, common	<i>Senecio vulgaris</i>
Henbit*	<i>Lamium amplexicaule</i>
Lettuce, Miner's	<i>Montia perfoliata</i>
Mustard, blue	<i>Chorispora tenella</i>
Mustard, Jim Hill (tumble)	<i>Sisymbrium altissimum</i>
Mustard, wild	<i>Brassica kaber</i>
Orchardgrass (seedling)	<i>Dactylis glomerata</i>
Pennycress, field	<i>Thlaspi arvense</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>
Radish, wild	<i>Raphanus raphanistrum</i>
Rocket, London	<i>Sisymbrium irio</i>
Rocket, common yellow	<i>Barbarea vulgaris</i>
Salsify	<i>Tragopogon</i> spp.
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Speedwell, purslane	<i>Veronica peregrina</i>
Spurry, corn	<i>Spergula arvensis</i>

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### 3.2-4.8 PINTS/ACRE

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Alfalfa* (seedling)	<i>Medicago sativa</i>
Barley, foxtail (seedling)	<i>Hordeum jubatum</i>
Bluegrass, perennial* (spring only)	<i>Poa</i> spp.
Cockle, white*	<i>Melandrium album</i>
Dandelion, common*	<i>Taraxacum officinale</i>
Dandelion, false* (spotted catsear)	<i>Hypochaeris radicata</i>
Foxtail*	<i>Setaria</i> spp.
Kochia	<i>Kochia scoparia</i>
Lambsquarters, common	<i>Chenipodium album</i>
Lettuce, prickly*	<i>Lactuca serriola</i>
Mallow, common	<i>Malva neglecta</i>
Quackgrass*	<i>Elytrigia repens</i>
Ryegrass, Italian (annual)	<i>Lolium multiflorum</i>
Speedwell, ivyleaf	<i>Veronica hederifolia</i>
Tea, Mexican*	<i>Chenopodium ambrosioides</i>
Thistle, Canada (seedling)	<i>Cirsium arvense</i>
Thistle, Russian	<i>Salsola iberica</i>

\*Suppression – a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

**VELOSSA™**, when applied to alfalfa in late spring or after cutting at the following rates, will control these species listed below:

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**1.6-4.8 PINTS/ACRE**

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Crabgrass	<i>Digitaria</i> spp.
Fleabane	<i>Conyza</i> spp.
Foxtail	<i>Setaria</i> spp.
Jimsonweed	<i>Datura stramonium</i>
Lambsquarters, common	<i>Chenopodium album</i>
Pigweed, redroot	<i>Amaranthus retroflexus</i>

**SPRAY EQUIPMENT**

Apply **VELOSSA™** using a fixed boom power sprayer or aerial equipment.

For ground applications apply in a minimum of 20 gallons of spray solution per acre and by air in a minimum of 5 gallons per acre. Use at least 5 pints of water per each 0.8 pint of **VELOSSA™**.

**APPLICATION AFTER CUTTING**

Apply Helena **VELOSSA™** at 0.8 pint per acre to stubble after cutting, following hay removal, and before regrowth exceeds 2" in height. Apply **VELOSSA™** using 0.25" to 0.75" of sprinkler irrigation as a continuous injection during the application. Best results are obtained when soil is moist at time of application and when weeds have not germinated or are less than 2" tall or across.

**NOTE:** Making an application when daily temperatures are forecast to be in the mid-to-high 90-degree temperature range within 3 to 5 days after treatment may increase the potential for crop injury.

**REPLANTING (FOLLOWING ALFALFA)**

- Do not replant treated areas to any crop except corn, root crops or sugarcane within two years after treatment, as crop injury may result.
- Corn may be planted 12 months after the last treatment in areas of moderate to high rainfall (greater than 20 inches), provided the use rate did not exceed 2.4 pints per acre.
- Root crops such as potatoes, sugarbeets, radish and carrots may be planted 12 months after last treatment, provided the use rate does not exceed 1.6 pints per acre. Sites with use rates higher than 1.6 pints per acre should not be replanted to any root crop within 2 years after application of Helena **VELOSSA™**, or unacceptable crop injury may result.
- In areas where irrigation is needed to produce the crop, the crop rotation intervals listed may need to be extended if the normal irrigation amount is reduced for any reason.
- Sugarcane may be planted any time following treatment.
- In California, do not replant seed alfalfa areas to any crop within two years after treatment, as crop injury may result.

**ALFALFA-IMPREGNATION ON DRY BULK FERTILIZER (EXCEPT CALIFORNIA AND ARIZONA)**

Dry bulk fertilizer may be impregnated or coated with **VELOSSA™** for application to established alfalfa. All recommendations and precautions on this label must be followed along with state regulations relating to dry bulk fertilizer blending, impregnating and labeling.

If fertilizer materials are excessively dusty, use a suitable additive to reduce dust prior to impregnation, as dusty fertilizer will result in poor distribution during application. The dry fertilizer must be properly impregnated and uniformly applied to the alfalfa to avoid crop injury and/or poor weed control.

To impregnate the fertilizer, use a system consisting of a conveyor or closed drum used to blend dry bulk fertilizer. Any commonly used fertilizer can be impregnated with **VELOSSA™**, except potassium nitrate or sodium nitrate. Do not use **VELOSSA™** on limestone.

Use a minimum of 250 lbs. dry bulk fertilizer per acre and up to a maximum of 450 lbs. per acre. To impregnate or coat the dry bulk fertilizer with **VELOSSA™**, direct the nozzles to deliver a fine spray of this suspension toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform

impregnation of **VELOSSA™** to dry bulk fertilizer will vary, and if the absorptivity is not adequate, the use of an absorptive powder may be required to produce a dry, free-flowing mixture. "Microcel E" is the recommended absorbent powder. When another Herbicide is used with **VELOSSA™**, mix and impregnate the fertilizer immediately.

Apply impregnated fertilizer as soon as possible after impregnation for optimum performance. Select the rate of **VELOSSA™** to apply per acre from the appropriate section of this label. Then refer to the rate chart below to determine the amount of **VELOSSA™** that should be impregnated on a ton of dry bulk fertilizer, based on the amount of fertilizer to be distributed in one acre.

**Rate Chart for Impregnating Fertilizer with Helena VELOSSA™ Herbicide**

Rate Per Acre	HM-0429™ Rate Per Acre			
	1.6 Pints	2.4 Pints	3.2 Pints	4.8 Pints
250 pounds	12.8 pts/ton	19.2 pts/ton	25.6 pts/ton	38.4 pts/ton
300 pounds	10.7 pts/ton	16.0 pts/ton	21.4 pts/ton	32.1 pts/ton
350 pounds	9.1 pts/ton	13.7 pts/ton	18.2 pts/ton	27.3 pts/ton
400 pounds	8.0 pts/ton	12.0 pts/ton	16.0 pts/ton	24.0 pts/ton
450 pounds	7.0 pts/ton	10.5 pts/ton	14.0 pts/ton	21.1 pts/ton

For rates other than those listed, use the following formula to calculate the amounts of **VELOSSA™** to be impregnated per ton of dry fertilizer.

$$\frac{\text{Pints VELOSSA™}}{\text{Per Acre}} \times \frac{1 \text{ Ton}}{\text{Fertilizer}} = \frac{\text{Pints VELOSSA™}}{\text{Ton of Fertilizer}}$$

**APPLICATION**

Uniform application of **VELOSSA™** impregnated dry fertilizer is essential for satisfactory weed control. Accurate calibration of the application equipment is essential for uniform distribution to the surface. The recommended method of application is to apply 1/2 the recommended rate and overlap 50%. This results in the best distribution pattern.

**This recommendation is made as permitted under FIFRA Section 2(ee) and has not been submitted to or approved by the EPA.**

**This 2(ee) Bulletin must be in the possession of the user at the time of pesticide application.**

**Follow all applicable directions, restrictions and precautions on the respective EPA registered label.**

**For First Aid and other Precautionary Statements, see label attached to the container.**

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