

PRODUCT INFORMATION BULLETIN

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

FOR USE AND DISTRIBUTION IN THE STATES OF CA, MT, OR, and WA 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.

NON-CROP INDUSTRIAL SITES

WEEDS CONTROLLED – USE RATE

VELOSSA™ effectively controls the following weeds when applied at the use rates shown in industrial sites. When applied at lower rates, VELOSSA™ provides short-term control of the weeds listed; when applied at higher rates, weed control is increased and extended. Use lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

0.8–2 GALLONS/ACRE

Barnyardgrass	<i>Echinochloa crus-galli</i>	Dandelion, false* (spotted catsear)	<i>Hypochaeris radicata</i>
Bindweed, field*	<i>Convolvulus arvensis</i>	Dogbane*	<i>Apocynum cannabinum</i>
Bouncingbet*	<i>Saponaria officinalis</i>	Fiddleneck, tarweed	<i>Amsinckia lycopsoides</i>
Bromegrass	<i>Bromus</i> spp.	Filaree	<i>Erodium</i> spp.
Buffalograss*	<i>Buchloe dactyloides</i>	Fleabane, flax-leaved	<i>Conyza bonariensis</i>
Burdock	<i>Arctium</i> spp.	Goatsbeard vine (sweet briar)	<i>Arunca sylvester</i>
Cocklebur	<i>Xanthium</i> spp.	Goldenrod	<i>Solidago</i> spp.
Crabgrass	<i>Digitaria</i> spp.	Horseweed/marestail	<i>Conyza canadensis</i>
Crown vetch	<i>Coronilla varia</i>	Lespedeza	<i>Lespedeza cuneata</i>
Curly dock*	<i>Rumex crispus</i>		
Dandelion, common*	<i>Taraxacum officinale</i>		

Milkweed, common*	<i>Asclepias syriaca</i>	Pigweed	<i>Amaranthus</i> spp.
Mustard, wild	<i>Sinapis arvensis</i>	Purslane, common	<i>Portulaca oleracea</i>
Nutsedge*	<i>Cyperus</i> spp.	Quackgrass	<i>Agropyron repens</i>
Oats, wild*	<i>Avena fatua</i>	Ryegrass, Italian (annual)	<i>Lolium multiflorum</i>
Orchardgrass*	<i>Dactylis glomerata</i>	Smartweed	<i>Polygonum</i> spp.
Orchardgrass (seedling)	<i>Dactylis glomerata</i>	Spurge	<i>Euphorbia</i> spp.
Oxalis	<i>Oxalis</i> spp.	Star thistle	<i>Centaurea</i> spp.
Paragrass	<i>Panicum purpurascens</i>	Trumpetcreeper*	<i>Campsis radicans</i>
Parsnip, wild	<i>Pastinaca sativa</i>		

2.4-3.2 GALLONS/ACRE

Aster, heath	<i>Aster ericoides</i>	Fescue*	<i>Festuca</i> spp.
Bahiagrass*	<i>Paspalum notatum</i>	Fingergrass	<i>Digitaria ciliaris</i>
Bermudagrass*	<i>Cynodon dactylon</i>	Foxtail	<i>Setaria</i> spp.
Blackberry	<i>Rubus</i> spp.	Guineagrass	<i>Panicum maximum</i>
Bluegrass	<i>Poa</i> spp.	Honeysuckle	<i>Lonicera</i> spp.
Broomsedge	<i>Andropogon virginicus</i>	Horseweed/marestail	<i>Conyza canadensis</i>
Camphorweed	<i>Heterotheca subaxillaris</i>	Lantana	<i>Lantana camara</i>
Canada thistle*	<i>Cirsium arvense</i>	Lettuce, prickly	<i>Lactuca serriola</i>
Carrot, wild	<i>Daucus carota</i>	Natalgrass (red top)	<i>Rhynchelytrum repens</i>
Chickweed	<i>Stellaria media</i>	Plantain	<i>Plantago</i> spp.
Clovers	<i>Trifolium</i> spp.	Ragweed, common	<i>Ambrosia elatior</i>
Dewberry	<i>Rubus trivialis</i>	Smutgrass**	<i>Sporobolus indicus</i>
Dogfennel	<i>Eupatorium</i>	Spanishneedles	<i>Bidens bipinnata</i>
<i>capillifolium</i>		Vaseygrass	<i>Paspalum urvillei</i>

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

**Suppression may result with some of the giant (larger) smutgrass species.

SPECIFIC WEED PROBLEMS

Control of Canada Thistle in Crown Vetch – **VELOSSA™** is recommended for control of Canada thistle in established stands of crown vetch on noncrop sites. Make a single application of 2.4-4 pints of **VELOSSA™** from late spring through mid-summer, when thistle is actively growing prior to flowering. Do not use a surfactant. Some discoloration of the crown vetch foliage may occur after application.

SPRAY EQUIPMENT

Apply **VELOSSA™** uniformly over the desired area using ground equipment or helicopter. Do not apply more than 2.4 gallons per acre of **VELOSSA™** by air.

Use enough water for thorough coverage. For ground application this is usually 25 gallons per acre. Higher volumes may be needed to obtain uniform application with handgun equipment. For aerial applications (helicopter only) this usually a minimum of 5 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of **VELOSSA™** are used.

INDUSTRIAL TURF (UNIMPROVED ONLY)

VELOSSA™ is recommended for selective weed control in established stands of bermudagrass and/or bahiagrass in noncrop areas.

APPLICATION TIMING

Make a single application of **VELOSSA™** per year when weeds are actively growing.

WEEDS CONTROLLED – USE RATE

Helena **VELOSSA™** effectively controls the following weeds at the rates shown in industrial turf (unimproved only). Use a lower rate on coarse-textured soils (sand to sandy loam). Use the higher rate on fine-textured soils (clay loam to clay) and on soils high in organic matter.

2.2–3.6 PINTS/ACRE

Barley, little	<i>Hordeum pusillum</i>	Oxalis	<i>Oxalis</i> spp.
Barnyardgrass	<i>Echinochloa crus-galli</i>	Passionflower, maypop	<i>Passiflora incarnate</i>
Dogfennel <i>capillifolium</i>	<i>Eupatorium</i>	Pepperweed, Virginia	<i>Lepidium virginicum</i>
Fescue	<i>Festuca</i> spp.	Pigweed	<i>Amaranthus</i> spp.
Lespedeza	<i>Lespedeza cuneata</i>	Smutgrass*	<i>Sporobolus indicus</i>

*Suppression may result with some of the giant (larger) smutgrass species. Suppression – a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

SPRAY EQUIPMENT

Apply **VELOSSA™** uniformly over the desired area using ground equipment only.

For ground application, use enough water for thorough coverage usually a minimum of 25 gallons per acre. The use of asurfactant is not recommended.

NON-CROP BRUSH CONTROL

VELOSSA™ is recommended for the control of undesirable woody plants in noncrop sites.

APPLICATION INFORMATION

Apply **VELOSSA™** from late winter through summer, prebud break until new growth hardens off.

In areas where the soil remains frozen during the winter and spring rains are usually inadequate for soil activation, a fall or winter treatment may be applied before the soil freezes.

BROADCAST

Apply 1.6 to 3.2 gallons of **VELOSSA™** per acre as coarse spray by ground equipment or 1.6 to 2.4 gallons per acre by air (helicopter only). Use enough water for thorough coverage. For ground equipment, usually a minimum of 25 gallons per acre. For aerial equipment, usually a minimum of 10 gallons per acre. Higher volumes of water may be needed when water temperatures are cold or the higher rates of **VELOSSA™** are used.

BASAL (SOIL)

Undiluted – Apply **VELOSSA™** undiluted with an exact-delivery handgun applicator. This equipment delivers a thin stream of a predetermined volume when triggered. Apply **VELOSSA™** at the rate of 1.6 to 3.2 ml for each inch of stem diameter at breast height. Do not exceed 4 gallons of **VELOSSA™** per acre per year. Direct the treatment to the soil within 3 feet of the root collar of woody plants to be controlled. When treating large stems and when more than one delivery of **VELOSSA™** is needed per stem, make applications on opposite sides of the stem.

For multi-stemmed and low-growing brush that have stem diameters that are difficult to determine, apply **VELOSSA™** at the rate of 1.6 to 3.2 ml per 3 feet of canopy width. For tall, slender (columnar) brush types, apply 3.2 to 6.4 ml per 3 feet of height. Base the rate on whichever canopy dimension is greater (width or height).

When treating brush that requires more than a single 3.2 ml application of **VELOSSA™**, apply subsequent applications equally spaced around the plant. If treating brush on sloped sites, apply most of the **VELOSSA™** on the uphill side of the stem. If treating resprouts from brush disturbed by cutting or shredding, the rate of application should be proportional to the original tree size, not just the small regrowth of sprouts.

Diluted – Mix 0.8 gallon of **VELOSSA™** with 5 or more gallons of water. Apply 1.6 to 3.2 gallons of **VELOSSA™** per acre. Direct the spray to the soil in a serpentine pattern so that the swath on the soil is 6 to 12 inches wide at the base of the brush. Swaths should be 2 to 4 feet apart.

BRUSH CONTROLLED – USE RATE**1.6–3.2 GALLONS/ACRE**

Alder	<i>Alnus</i> spp.	Manzanita, Greenleaf	<i>Arctostaphylos patula</i>
Ash	<i>Fraxinus</i> spp.	Maple, red	<i>Acer rubrum</i>
Aspen	<i>Populus</i> spp.	Mesquite	<i>Prosopis glandulosa</i>
Birch	<i>Betula</i> spp.	Mulberry	<i>Morus</i> spp.
Blackgum	<i>Nyssa sylvatica</i>	Oaks	<i>Quercus</i> spp.
Bay, sweet	<i>Magnolia virginiana</i>	Osage-orange	<i>Maclura pomifera</i>
Cactus, cholla†	<i>Optunia imbricata</i>	Persimmon	<i>Diospyros</i> spp.
Catclaw acacia	<i>Acacia greggii</i>	Plum, wild	<i>Prunus munsoniana</i>
Cedar, Eastern red	<i>Juniperus virginiana</i>	Poplar, balsam	<i>Populus balsamifera</i>
Cherry, black	<i>Prunus serotina</i>	Poplar, yellow	<i>Liriodendron tulipifera</i>
Chinaberry*	<i>Melia azedarach</i>	Privet	<i>Ligustrum</i> spp.
Deerbrush	<i>Ceanothus integerrimus</i>	Rose, multiflora	<i>Rosa multiflora</i>
Dogwood, flowering*	<i>Cornus florida</i>	Sassafras*	<i>Sassafras albidum</i>
Elm, American	<i>Ulmus Americana</i>	Soapweed, small (yucca)	<i>Yucca glauca</i>
Elm, Chinese	<i>Ulmus parvifolia</i>	Snowbrush (varnishleaf)	<i>Ceanothus velutinus</i>
Hackberry, common	<i>Celtis occidentalis</i>	Sourwood	<i>Oxydendrum arboretum</i>
Hawthorn	<i>Crataegus</i> spp.	Sumac	<i>Rhus</i> spp.
Hazel	<i>Corylus</i> spp.	Sweetgum	<i>Liquidambar</i> spp.
Hickory	<i>Carya</i> spp.	Tallow, Chinese	<i>Sapium sebiferum</i>
Huisache	<i>Acacia farnesiana</i>	Waxmyrtle	<i>Myrica cerifera</i>
Juniper	<i>Juniperus</i> spp.	Whitebrush	<i>Aloysia gratissima</i>
Locust	<i>Robinia</i> spp.	Willow	<i>Salix</i> spp.
Lotebush	<i>Ziziphus obtusifolia</i>		

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†For Cholla cactus (tree-type cactus) apply Helena VELOSSA™ at the rate of 3.2 milliliters (mls) of product for plants up to 2 feet tall. Apply 6.4 mls of product for Cholla cactus plants between 2 and 6 feet tall. For plants taller than 6 feet, apply 3.2 mls for each additional 2 feet of height.

When treating plants it is desirable to make applications equally spaced around the plant.

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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