7919-131

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#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
X Reregistration
(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance
7969-131	

AUG 1 0 2009

Term of Issuance:

Name of Pesticide Product:

BAS 183 06 H

Name and Address of Registrant (include ZIP Code):

**BASF** Corporation

Crop Protection

P.O. Box 13528

RTP, NC 27709-3528

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

2. Change the Signal word to "CAUTION". Delete "Aviso".

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Signature of Approving Official:

Joanne Miller Product Manager 23 Herbicide Branch Registration Division (7505P) Date:

AUG 1 0 2009

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12) To the Warranty section add "to the extent consistent with applicable law" in front of "BASF make no other" and "In no case shall BASF or the seller".

You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next printing of the label whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these conditions. This label supercedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

# **BAS 183 06 H**

herbicide

For weed control in corn, sorghum, small grains, pasture, hay, rangeland, general farmstead (non-cropland), fallow, sugarcane, asparagus, turf, and grass seed crops.

# SPECIMEN LABEL

#### **ACTIVE INGREDIENT:**

 Dimethylamine salt of dicamba
 49.4%

 (3,6-dichloro-o-anisic acid)\*
 49.4%

 INERT INGREDIENTS:
 50.6%

 Total
 100.0%

\* This product contains 41.0% 3,6-dichloro-o-anisic acid (dicamba) or 4 pounds per gallon (480 g/L).

EPA Reg No. 7969-131

# WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.) See additional precautionary statements.

# ACCEPTED with COMMENTS In EPA Letter Dated:

AUG 1 0 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

### 7969-13

	FIRST AID	) ;·
f in eyes	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	275
f on skin or clothing	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>	
f swallowed	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a polson control center or doctor.</li> <li>Do not give anything to an unconscious person.</li> </ul>	
	HOT LINE NUMBER	

contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing

spray mist. Wash thoroughly after handling, in case of contact, wash skin with soap and water; for eyes, flush

with water for 15 minutes and get medical attention.

#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are butyl rubber and nitrile rubber. If you want more options, follow the instructions for **Category A** on an EPA chemical-resistance category selection chart.

All mixers, loaders, and applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks, and
- Chemical-resistant gloves (except for applicators using groundboom equipment, pilots and flaggers)

See engineering controls for additional requirements and exceptions. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

**DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **ENGINEERING CONTROLS STATEMENTS**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)).

#### **User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside.
   Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product.
   Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaiminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on label.

#### **DIRECTIONS FOR USE**

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

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls worn over short-sleeve shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

#### Nonagricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

•DO NOT enter or allow others to enter the treated area until sprays have dried.

Before applying BAS 183 06 H herbicide

read all directions and precautions appearing on the container label and in this booklet. Failure to follow all directions and precautions may result in unsatisfactory weed control, crop injury, or illegal residues.

#### **GENERAL INFORMATION**

The following directions apply to all uses of **BAS 183 06 H herbicide**. Additional precautions and restrictions will be found in each specific use section.

**DO NOT** treat irrigation ditches or water used for crop irrigation or domestic uses.

**DO NOT** apply this product through any type of irrigation system.

#### MIXING AND APPLICATION

UNLESS OTHERWISE SPECIFIED UNDER THE INDIVIDUAL USE HEADINGS OF THIS BOOKLET, THE FOLLOWING DIRECTIONS APPLY TO ALL CROP AND NON-CROP USES OF BAS 183 06 H. REFER TO INDIVIDUAL USE SECTIONS FOR ADDITIONAL PRECAUTIONS, RESTRICTIONS, APPLICATION RATES, AND TIMINGS.

BAS 183 06 H is a water-soluble formulation that can be applied using water or sprayable fluid fertilizer as the carrier. If a fluid fertilizer is to be used, a compatibility test (see COMPATIBILITY TEST) should be made prior to tank mixing.

**DO NOT** apply more than 2 pts of **BAS 183 06 H** (1 lb dicamba) per acre for any single application.

**DO NOT** exceed more than 4 pts of **BAS 183 06 H** (2 lbs dicamba) per acre per year.

Ground or aerial application equipment which will give good spray coverage of weed foliage should be used. HOWEVER, **DO NOT** USE AERIAL APPLICATION EQUIPMENT IF SPRAY PARTICLES CAN BE CARRIED BY WIND INTO AREAS WHERE SENSITIVE CROPS OR PLANTS ARE GROWING OR WHEN TEMPERATURE INVERSIONS EXIST.

Apply 3 to 50 gallons of diluted spray per treated acre when using ground application equipment or 1 to 10 gallons of diluted spray per treated acre (2 to 20 gallons of diluted spray per treated acre for preharvest uses) in a water-based carrier when using aerial application equipment. Use the higher level of the listed spray volumes when treating dense or tall vegetation. Use coarse sprays.

Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as is practical for good weed coverage. To avoid uneven spray coverage, BAS 183 06 H should not be applied during periods of gusty wind or when wind is in excess of 15 mph.

Avoid disturbing (e.g., cultivating or mowing) treated areas for at least 7 days following application.

#### BEST STEWARDSHIP PRACTICES

BAS 183 06 H provides effective broadleaf weed and brush control when properly applied. Best stewardship practices in all mixing, loading, and application operations not only maximize weed control, but also protect ground and surface waters and minimize off-target movement.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

#### GROUND AND SURFACE WATERS PROTECTION

1) Point source contamination - To prevent point source contamination, DO NOT mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. DO NOT apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells according to state and local requirements and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational

containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

2) Movement by surface runoff or through soil - DO NOI apply under conditions which favor runoff. DO NOI apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. DO NOT apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow (less than 8 feet in Arizona). To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the general information section of this label.

3) Movement by water erosion of treated soil - DO NOT apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

#### SENSITIVE CROP PRECAUTIONS

plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems, or foliage. These plants are most sensitive to BAS 183 06 H during their development or growing stage. FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING

- DO NOT treat areas where either possible downward movement into the soil or surface washing may cause contact of BAS 183 06 H with the roots of desirable plants such as trees and shrubs.
- Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing or when temperature inversions exist. DO NOT spray near sensitive plants if wind is gusty or in excess of 5 mph and moving in the direction of adjacent sensitive crops. Leave an adequate buffer zone between area to be treated and sensitive plants. Coarse sprays are less likely to drift out of the target area than fine sprays.
- Use coarse sprays to avoid potential herbicide drift. Select nozzles which are designed to produce minimal amounts of fine spray particles. Examples of nozzles designed to produce coarse sprays via ground applications are Delavan Raindrops, Spraying Systems XR flat fans, or large capacity flood nozzles such as D10, TK10, or greater capacity tips. Keep the spray pressure at or below 20 psi and the spray volume at or above 20 gpa, unless otherwise required by the manufacturer of drift-reducing nozzles. Consult with your spray nozzle supplier concerning the choice of drift-reducing nozzles.

- Agriculturally approved drift-reducing additives may be used.
- DO NOT apply BAS 183 06 H adjacent to sensitive crops when the temperature on the day of application is expected to exceed 85° F is more likely to occur.
- To avoid injury to desirable plants, equipment used to apply BAS 183 06 H should be thoroughly cleaned (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT) before reusing to apply any other chemicals.

All crop uses of **BAS 183 06** H are intended for a normal growing interval between planting and harvest. No crop rotation restrictions exist if normal harvest of treated crop has occurred. If this interval is shortened, such as in cover crops that will be plowed under, do not follow up with the planting of a sensitive crop.

Crops growing under stress conditions such as drought, poor fertility, or foliar damage due to hail, wind, or insects, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations. <u>Tank mix recommendations are for use only in states where the tank mix product and application site are registered.</u>

#### BAND TREATMENTS

BAS 183 06 H may be applied as a band treatment. Use the formulas below to determine the appropriate rate and volume per treated acre.

Band width in inches Row width in inches	Broad X RAT per freate	E = per treated of	_
Band width in inches Row width in inches	X Broade	ME = per treated of	

#### COMPATIBILITY TEST

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

> Amount of Herbicide to Add to One Pint of Spray Carrier (Assuming Volume is 25 Gallons per Acre)

HERBICIDE	rate	LEVEL
<u>FORMULATIONS</u>	<u>Per acre</u>	<u>TEASPOONS</u>
Dry	1 lb	1 ½
Liquid	1 pt	½

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is compatible. Usually, incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent (1/4 teaspoon is equivalent to 2 pints per 100 gallons of fluid fertilizer).

#### PROCEDURE FOR CLEANING SPRAY EQUIPMENT

The steps listed below are suggested for thorough cleaning of spray equipment following applications of BAS 183 06 H herbicide or tank mixes of BAS 183 06 H or tank mixes of BAS 183 06 H plus 2,4-D amine.

- 1) Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of the rinse water.
- 2) Fill tank with water while adding 1 quart of household ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 3) Flush the solution out of the spray tank through the boom.
- 4) Remove the nozzles and screens and flush the system with 2 full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply BAS 183 06 H as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of waterdispersible formulations. BAS 183 06 H tank mixes with water-dispersible formulations require the use of a water/detergent rinse.

5) Complete step 1.

- 6) Fill tank with water while adding 2 lb of detergent for every 40 gallons of water. Operate the pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of the solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 7) Flush the detergent solution out of the spray tank through the boom.
- 8) Repeat step 1, and follow with steps 2, 3, and 4.

#### GENERAL WEED LIST

This is a general list of weeds which may be treated with BAS 183 06 H in accordance with this label as recommended under the RATES AND TIMING sections of the Individual Use headings. Proper usage of this product will give control or growth suppression of many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds, and many WOODY brush and vine species including:

#### **ANNUALS**

Amaranth, Spiny (Spiny Pigweed) Nightshade, Black Aster, Slender Bedstraw Begggrweed, Florida Broomweed, Common Buckwheat, Wild Buffalobur Burclover, California Burcucumber Buttercup, Roughseed Carpelweed

Catchfly, Nightflowering Chamomile, Corn Chickweed, Common Clovers (Annual) Cockle, Corn Cockle, Cow Cocklebur, Common Crolon, Tropic Croton, Woolly

Pennycress, Field (Fanweed, Frenchweed, Stinkweed) Pepperweed, Virginia (Peppergrass) Pigweed, Prostrate Pigweed, Redroot (Carelessweed) Pigweed, Rough Pigweed, Smooth Pigweed (triazine resistant) Pigweed, Tumble Poorioe Puncturevine Purslane, Common Pusley, Florida Radish, Wild Ragweed, Common Ragweed, Giant (Buffaloweed) Ragweed, Lance-Leaf Rubberweed, Bitter (Bitterweed) Sesbania, Hemp

Daisy, English Evening Primrose, Culleaf Fleabane, Annual Goosefoot, Nettleleaf Jimsonweed Knotweed Kochia Ladysthumb Lambsquarters, Common Lambsquarters (triazine resistant) Lettuce, Prickly Mallow, Common Mallow, Venice Mare's Tail (Horseweed) Mavweed Morningglory, lyyleaf Morningglory, Tall Mustard, Tansy Mustard, Wild Mustard (Yellowtops)

Shepherdspurse Sicklepod Sida, Prickly (Teaweed) Smartweed, Green Smartweed, Pennsylvania Sneezeweed, Bitter Sowthistle, Annual Sowthistle, Spiny Spikeweed, Common Spurge, Prostrate Spurry, Corn Starbur, Bristly Sumpweed, Rough Sunflower, Common (Wild) Sunflower, Volunteer Thistle, Russian Velvetleaf Waterhemp Waterprimrose, Winged Wormwood, Annual

#### **BIENNIALS**

Burdock, Common
Carrot, Wild (Queen Anne's Lace) Ragwort, Tansy
Starthistle, Yellow Evening Primrose, Common Geranium, Carolina Gromwell Knapweed, Diffuse Knapweed, Spotted Mallow, Dwarf

Sweetclover Teasel Thistle, Bull Thistle, Milk Thistle, Musk Thistle, Plumeless

#### PERENNIALS

Alfalfa Artichoke, Jerusalem Aster, Spiny Aster, Whiteheath Beadstraw, Smooth Bindweed, Field Bindweed, Hedge Blueweed, Texas

\* Bursage (Bur Ragweed, Lakeweed, Povertyweed) Bursage, Woollyleaf (Lakeweed) Buttercup, Tall Campion, Bladder Chickweed, Field Chickweed (Mouseear, Canada) Chicory

\* Clover, Hop

\* Dandelion, Common \* Dock, Broadleaf (Bitterdock)

\* Dock, Curly
Dogbane, Hemp
\* Dogfennel (Cypressweed)

Fern, Bracken Garlic, Wild Goldenrod, Canada Goldenrod, Missouri Goldenweed, Common Hawkweed Henbane, Black Horsenettle, Carolina Ironweed Knapweed, Black

Knapweed, Russian Milkweed, Climbing

Milkweed, Common Milkweed, Honeyvine Milkweed, Western Whorled Nettle, Stinging Nightshade, Silverleaf (White Horsenettle) Onion, Wild \* Plantain, Broadleaf Plantain, Buckhorn

Pokeweed Ragweed, Western Redvine Sericia Lespedeza Smartweed, Swamp Snakeweed, Broom Sorrel, Red (Sheep Sorrel) Sowthistle

Sowthistle, Perennial Spurge, Leafy Sundrop, Halfshrub (Evening Primrose) Thistle, Canada Toadflex, Dalmatian Tropical Soda Apple Trumpetcreeper (Buckvine) Vetch

Waterhemlock Waterprimrose, Creeping \* Woodsorrel, Creeping Common Yellow Wormwood, Common Wormwood, Louisiana

\* Yankeeweed Yarrow, Common

Noted perennials may be controlled using BAS 183 06 H at rates lower than those recommended for other listed perennial weeds. (See APPLICATION RATES AND TIMING sections in this label.)

#### WOODY

Alder Ash Aspen Basswood Beech Birch \* Blackberry Locust, Black Maple Mesquite Oak Oak, Poison Olive, Russian Persimmon, Eastern

- \* Blackgum
- \* Cedar Cherry Chinquapin
- \* Creosotebush Cucumbertree
- \* Dewberry \* Dogwood
- Elm Grape
- \* Hawthorn (Thornapple) Hemlock Hickory Honeylocust
- Honeysuckle Hornbeam Huckleberry Huisache
- lvy, Poison Kudzu

- Pine
- \* Plum, Sand (Wild Plum) Poplar Rabbitbrush
- \* Redcedar, Eastern
- \* Rose, McCartney
- \* Rose, Multiflora Sagebrush, Fringe Sassafras Serviceberry Spicebush Spruce
- Sumac
  \* Sweetgum
  Sycamore
  Tarbush
  Willow
  Witchhazel
- \* Yaupon
- \* Yucca

#### \* Growth Suppression

## FIELD, SEED\*, POPCORN\*, AND SILAGE CORN Observe all PRECAUTIONS, MIXING, AND

APPLICATION instructions as well as the following:

\* DO NOT apply BAS 183 06 H herbicide to seed corn or popcorn without first verifying with your local seed corn company (supplier) the BAS 183 06 H selectivity on your inbred line or variety of popcorn. This precaution will help avoid potential injury of

sensitive varieties.

BAS 183 06 H is not registered for use on sweet corn. Direct contact of BAS 183 06 H with corn seed must be avoided. If corn seeds are less than 1½ inches below the surface, delay application until corn has emerged. Up to 2 applications of BAS 183 06 H may be made during a growing season. DO NOT exceed a total of 1½ pints of BAS 183 06 H per treated acre per crop year.

Allow two weeks or more between applications of **BAS 183 06 H**. See appropriate section for rate information. For combination options or sequential treatments, refer to appropriate section.

Applications of **BAS 183 06 H** to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Agriculturally approved surfactants or sprayable fertilizers (1/2 to 1 gallon per acre of 28%, 30%, or 32% urea ammonium nitrate or 2.5 pounds per acre spray grade ammonium sulfate1) may be added to the spray mixture to improve postemergence weed control, particularly in dry growing conditions.

Do not use adjuvants containing penetrants such as petroleum-based oils after crop emergence or crop injury may result.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Several synthetic pyrethroid insecticides are labeled for tank mix applications of **BAS 183 06 H**. Refer to their label for specific recommendations.

#### WEEDS CONTROLLED

BAS 183 06 H will control many ANNUAL broadleaf weeds or give growth suppression of many PERENNIAL broadleaf weeds commonly found in corn.

(Refer to the GENERAL WEED LIST)

For best performance, make application when weeds have emerged and are actively growing.

Preemergence control of cocklebur, velvetleaf, and jimsonweed may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

Not for use in California.

#### PREPLANT/PREEMERGENCE IN NO-TILLAGE CORN

Applications of **BAS 183 06 H** may be made before, during, or after planting to emerged and actively growing broadleaf weeds. Apply **BAS 183 06 H** at 1 pint per treated acre on medium or fine textured soils containing 2% or greater organic matter. Use ½ pint per treated acre on coarse textured soils (sand, sandy loam, and loamy sand) or medium and fine textured soils with less than 2% organic matter.

When planting into a legume sod (e.g., alfalfa or clover), apply BAS 183 06 H after 4 to 6 inches of

regrowth has occurred.

### PREEMERGENCE IN CONVENTIONAL OR REDUCED TILLAGE CORN

BAS 183 06 H may be applied after planting and prior to corn emergence. Application at 1 pint per treated acre may be made to medium or fine textured soils which contain 2% or greater organic matter. DO NOT apply to coarse textured soils (sand, sandy loam, and loamy sand) until after crop emergence (see Early Postemergence uses below).

Preemergence application of BAS 183 06 H does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrate treated soil over seed furrow.

#### EARLY POSTEMERGENCE (ALL TILLAGE SYSTEMS) (SPIKE THROUGH 8 INCH TALL CORN)

BAS 183 06 H at 1 pint per treated acre may be applied during the period from corn emergence through the five leaf stage or 8 inches tall, whichever comes first. Reduce the rate to 1/2 pint per treated acre if corn is growing on coarse textured soils (sand, sandy loam, loamy sand). See Late Postemergence applications given below if the 6th true leaf is emerging from whorl or corn is greater than 8 inches tall.

### LATE POSTEMERGENCE (ALL TILLAGE SYSTEMS) [8 TO 36 INCH TALL CORN]

Application of **BAS 183 06 H** at 1/2 pint per treated acre may be made from 8 to 36 inch tall corn or 15 days before tassel emergence, whichever comes first. For best performance, make applications when weeds are less than 3 inches tall.

Make directed spray application when: (1) corn leaves prevent proper spray coverage; (2) sensitive crops are growing nearby; (3) tank mixing with 2, 4-D.

**DO NOT** apply **BAS 183 06 H** when soybeans are growing nearby it any of these conditions exist:

• corn is more than 24 inches tall

- soybeans are more than 10 inches tall
- soybeans have begun to bloom

#### **OVERLAY (SEQUENTIAL) TREATMENTS**

BAS 183 06 H herbicide may be applied to ground previously treated with one or more of the following herbicides registered for use in corn:

acetochlor (Surpass®, Harness® Plus)	butylate [Sutan®+/Genate**)	halosulfuron (Battalion®, Permit®)
alachlor (Lasso <sup>®</sup> .	CLARITY®	Lariat <sup>®</sup>
Lasso MT®, Partner®)	cyanazine (Bladex <sup>©</sup> )	MARKSMAN®
atrazine	dimethenamid	metolachlor (Dual)
Bicep <sup>®</sup>	(FRONTIER®)	paraquat (Gramoxone®)
Broadstrike® + Dual®	EPTC (Eradicane®)	pendimethalin (Prowl®)
Broadstrike® Plus	Extrazine® II	propachlor (Ramrod <sup>®</sup> )
Bronco®	glyphosate (Roundup®)	simazine (Princep®)
Buller®	GUARDSMÀN®	Surpass® 100

Apply BAS 183 06 H at 1/2 pint per treated acre to ground previously treated with full rates of CLARITY or MARKSMAN herbicides. Allow at least 2 weeks between applications.

READ AND FOLLOW LABEL DIRECTIONS FOR EACH OF THE ABOVE PRODUCTS.

#### TANK MIX TREATMENTS FOR CORN

BAS 183 06 H may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.

#### **RATES AND TIMINGS**

BAS 183 06 H PLUS	PREPLANT/ PREEMERGENT (NO TILLAGE (ORK)	PREEMERGENT (CONVENTIONAL OR REDUCED TILLAGE CORN)	EARLY POST- EMERGENT (ALL TILLAGE SYSTEMS)	LATE POSTEMERGENT (ALL TILLAGE SYSTEMS)	ADOMIOHAL SKOMJANIO
ACCENTO	~	<del>-</del>	1/2-1.0 oz ci/A	*/2-1.0 oz ai/A (To improve sprzy coverage of weeds and reduce risk of corn injury, use drop pipes to direct sproy beneath corn leaves when corn is greater than 8 inches toll.)	Application may be mode to emerged weeds before corn is greater than 24 inches tell. Use non-lonic surfactant at .25% (V/V) with this tank mixture.
Alrozine	11/4-20 lb oi/A	11/4-2.0 b a/A	11/4 - 2.0 lb ai/A Crop oil concen- trates may be used with this mixture if corn is 5 inches or less in height.	11/4 - 2.0 lb ai/A Do not apply if corn is greater than 12 inches tall.	Application may be made before grasses are 11/2 Inches tall. Follow all state and federal restrictions pertaining to attrazine applications.
BEACON® (primisulturon)	<b></b> -		0.31 - 0.62 oz ci/A	0.31 - 0.62 oz oż/A  To improve spray coverage of weeds and reduce risk of com injury, use drop pipes to direct spray beneath com leaves when com le greater than 8 inches toll.)	Application may be mode to emerged weeds when corn is 4 to 24 inches toll. Use non-lonic surfacted et 2.5% (V/Y) with this tank mixture.
BLADE( (cyonazine)	11/4-4.0 lb ai/A	1 1/4 - 4.0 fb ai/A	1/4-2.0 lb ci/A (use the 90 DF formulation only, after corn emergence.)	_	Application may be made before gresses are 11/2 inches toll, and before corn is beyond the 4 leaf stage.
DUAL (metokachlor)	1/2-3.0 lb ci/A	11/2-3.0 lb oi/A (use only on fine or medium textured soils with 2.5% or greater organic matter.)	11/2 - 3.0 B oi/A	-	Application may be made before grosses seach the 2 leaf stage and before corn is greater than than 3 inches talk!

BAS 183 06 H PLUS	PREPLANT/ PREEMERGENT (NO TILLAGE CORN)	PREPLANT (CONVENTIONAL OR REDUCED TILLAGE CORN)	EARLY POST- EMERGENT (ALL TILLAGE SYSTEMS)	LATE POSTEMERGENT (ALL TILLAGE SYSTEMS)	ADDITIONAL DIRECTIONS
FRONTIER (dimethenomid)	13.0-25.0 floz ci/A	13.0-25.0 flor/A (use only on fine or medium lextures soits with 2.5% or greater organic motter.)	13.0-25.0 B oz ol/A		Application may be made up to 8 inch toll corn. This treatment must be combined with a herbicide that provides postenergence control of gross weeds if they are greater than inch toll at the time of application.
FROHTIER 6.0 (dimethenomid)		16.0 - 32.0 fl cz/A (use only on fine or medium texturei sods with 2.5% or greater organic matter.)			Application may be made up to 8 inch toll corn. This treatment must be combined with a herbicide that provides postemergence control of grass weeds if they are greater than I inch talk at the time of application.
GRAMOXONE (peroquet)		1/4-1.0 lb ci/A		· <del>-</del>	Application may be made to emerged weeds but prior to corn emergence.
HARHESS PLUS® or SURPASS (occetochlor)		1½-3.0 ib oi/A Use only on fine or medium lextured so with 2.5% or greate organic matter.			Application should be made prior to corn emergence.
LASSO . (alachlor)	11/2-4.0 B ai/A	11/2-4.0 h at/A (use only on fine textured soils with greater than 2.5% organic matter)	11/2 4.0 lb ai/A	_	Application may be made before grasses reach the 2 leaf stage and before com is greater than 3 inches lail. It microencapsulated forms of alachior are used (Lasso MT, Partner), applications most be made prior to grass emergence.
PRINCEP (simozine)	2.0-3.0 lb ci/A	2.0-3.0 lb ai/A	<b>L</b>		Application may be made prior to corn or weed emergence.
PROWL (pendimetholia)	-	<sup>1</sup> /4-1 <sup>1</sup> /2 ib ai/A (use only on line or medium textured soils with 2.5% or greater organic matter.)	3/4-11/2 16 ai/A	_	Application may be made immediately after planting but prior to weed emergence. Corn should not be beyond the 2 leaf stage of growth.
ROUNDUP (glyphosate)	1.0-3.0 lb ai/A	1.0 -3.0 lb oi/A	_	_	Application may be made to emerged weeds but prior to corn emergence.
STINGER®			0.035 - 0.07 ₿ ai/k	0.035 - 0.07 B ci/A	Applications may be made any firm efter corn emergence through 24 inch tell corn. Use drop nouries to direct spray after corn exceeds the 8 inch stage. Apply when the majority of the thistle-plants have emerged and are at least 4 inches in height, but before bud stage. Use higher rates listed for stand reduction of larger thistle plants or heavier infestations. Lower rates insted may provide seasonal thistle suppression only.

#### SORGHUM (MILO)

BAS 183 06 H herbicide PLUS	PREPLANT/ PREEMERGENT (NO TILLAGE CORN)	PREEMERGENT ICONVENTIONAL OR REDUCED TILLAGE CORN)	EARLY POIST- EMERGENET FALL THUAGE SYSTUMES	LATE POSTEMERGENT (ALL TILLAGE SYSTEMS)	ADDITIONAL DIRECTIONS
1006H <sup>®</sup> 3.75E( (pyridote)			9.47 B m/A	0.47 - 0.94 tb ai/A	Applications may be made to emerged, arthrely growing weeds. Directed applications are recommended when com is large enough to prevent proper spray coverage.
2,40	1/4-1/216 si/A	Ye-Y+16 01/A	Hel recommended	Yo Bo ci√A	Drop pipes are to be used when corn height is 8 inches ar greater. Keeping the spray off the corn leaves and out of the when will reduce the bitelihood of crop injury and improve spray coverage of weed folloge.

Observe all PRECAUTIONS, including the reference to crops growing under stress.

Read and follow MIXING AND APPLICATION instructions.

Applications of BAS 183 06 H to sorghum

during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 to 14 days. DO NOT graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to the PASTURE use section of this label. DO NOT apply BAS 183 06 H to sorghum grown for seed production.

Make no more than one application per growing season.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at the recommended rate for sorghum, will control many actively growing ANNUAL broadleaf weeds and will reduce competition from established PERENNIAL broadleaf weeds as well as control their seedlings (Refer to GENERAL WEED LIST).

#### RATES AND TIMINGS

BAS 183 06 H may be applied to emerged and actively growing weeds at least 15 days prior to planting. Postemergence application of BAS 183 06 H must be made after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15 inches tall. For best performance, make applications when sorghum is in the 3 to 5 leaf stage and weeds are small (less than 3 inches tall). Use drop pipes (drop nozzles) if sorghum is taller than 8 inches. Keeping the spray off the sorghum leaves and out of the whorl will reduce the likelihood of crop injury and improve spray coverage of weed foliage.

### BROADCAST RATE PER TREATED ACRE: 1/2 pint (1/4 lb ai)

### TANK MIX TREATMENTS BAS 183 06 H PLUS ATRAZINE

For improved control of emerged, actively growing broadleaf weeds including triazine resistant species and added suppression of perennial broadleaf weeds, tank mix 1/2 pint BAS 183 06 H with 0.5 to 1.25 lbs ai atrazine per treated acre. For control of grasses (less than 1.5 inches tall), tank mix 1/2 pint BAS 183 06 H with

2 lb ai atrazine per treated acre. For best performance and minimal crop injury, make application when sorghum is 3 to 8 inches tall and when broadleaf weeds are small (less than 6 inches tall). Application of atrazine must be made before sorghum is beyond 12 inches tall. The atrazine rate will depend upon soil texture and length of residual weed control desired. Follow all state and federal restrictions pertaining to atrazine applications.

#### BAS 183 06 H herbicide PLUS BUCTRIL®

For improved control of broadleaf weeds, tank mix 1/2 pint BAS 183 06 H with 1 to 1 1/2 pint Buctril per treated acre. Make application at 4 leaf to 15 inch tall sorghum. Use drop nozzles to direct spray beneath sorghum leaves when sorghum is greater than 8 inches tall.

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS, AND OTHER RESTRICTIONS.

#### **OVERLAY (SEQUENTIAL) TREATMENTS**

**BAS 183 06 H** may be applied to ground previously treated with one or more of the following herbicides:

Herbicide	Maximum rate per treated acre (lb ai)
alachlor (Lasso)	4.0
(Screen®-treated seed)	2.5
metolachlor (Dual®)	2.5
(Concep®-treated seed)	5.0

<sup>1</sup>Maximum use rate for atrazine is determined by soil type, tillage practices used, surface residue, and state or local restrictions. Follow the more restrictive requirements when determining the maximum use rate for atrazine.

### PREHARVEST USES FOR USE ONLY IN THE STATES OF TEXAS AND OKLAHOMA

BAS 183 06 H may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. For aerial applications use at least 2 gallons of water-based carrier per treated acre.

Delay harvest until 30 days after treatment.

BROADCAST RATE PER TREATED ACRE
1/2 pint (1/4 lb ai)

# SMALL GRAINS (WHEAT, BARLEY, AND OATS) NOT UNDERSEEDED TO LEGUMES

IMPORTANT: Observe all PRECAUTIONS. Read and follow CLEANING, MIXING AND APPLICATION instructions. If small grains are used for pasture or hay, the following restrictions apply:

- Animals cannot be removed from treated area for slaughter prior to 30 days after last application.
- There is no waiting period between treatment and grazing for non-lactating dairy animals.
- Treated areas may not be grazed by lactating dairy animals before 7 days after treatment.
- DO NOT harvest hay from treated areas before 37 days after treatment.

**NOTE:** Observe all precautions and restrictions on the labels of products used in tank mix treatments.

#### WEEDS CONTROLLED

BAS 183 06 H or combinations with listed tank mix partners will provide control or suppression of the ANNUAL broadleaf weeds listed below. For improved control of listed weeds, it is recommended that BAS 183 06 H be applied in a tank mix with other herbicides, Refer to specific crop for tank mix options.

Alkanet <sup>1</sup> Bedstraw, Catchweed <sup>1</sup> Bindweed, Field <sup>2</sup> Mustard, Treacle <sup>1</sup> Mustard, Tumble (Jim Hill) <sup>1</sup> Mustard, Wild <sup>1</sup>

Buckwheat, Tartary Buckwheat, Wild Nightshade, Black Nightshade, Cutleaf 1 Carpetweed 1 Nightshade, Silverleaf 2 Chamomile, Corn (White Horsenettle) Chervil, Bur 1 Pennycress, Field (Fanweed, Chickweed, Common 1 Frenchweed, Stinkweed) Cockle, Corn Cockle, Cow Pepperweed, Peppergrass 1 Pigweed, Redroot (Carelessweed) Cocklebur, Common Cornflower (Bachelorbutton) 1 Pigweed, Rough Dandelion, Common 2 Pigweed, Tumble Dock, Curly 2 Pineappleweed 1 Dragonhead, American 1 Plantain, Broadleaf <sup>2</sup> Evening Primrose, Cutleaf 1 Poppy, Red Horned 1 Falseflax, Smallseeded 1 Fiddleneck (Tarweed) 1 Puncturevine Purslane, Common 1 Radish, Wild 1 Flixweed Ragweed, Common 1 Ragweed, Giant (Buffaloweed) 1 Fumitory 1 Gromwell, Corn <sup>1</sup>
Groundsel, Common <sup>1</sup>
Hempnettle <sup>1</sup> Rocket, London Rocket, Yellow 1 Henbit Salsify (Goatsbeard) 1 Jacob's Ladder 1 Shepherdspurse 1 Smartweed, Green Smartweed, Pennsylvania Knawel (German Moss) Knotweed, Prostrate Sorrel, Red (Sheep Sorrel) 1 Kochia Ladysthumb Sowthistle, Annual Lambsquarters, Common Starthistle, Yellow 1 Lettuce, Miners Sunflower, Common (Wild) Lettuce, Prickly Thistle, Canada 2 Mallow, Common Thistle, Russian Mayweed, Chamomile (Dogfennel) Velvetleaf Mustard, Blue (Purple)
Mustard, Tansy Vetch 1 Yarrow, Common 2

<sup>1</sup>These weeds will be controlled with **BAS 183 06 H** tank mixtures <sup>2</sup>Refer to tank mix label for specific weeds controlled. **BAS 183 06 H** tank mixes will provide suppression of

established broadleaf weeds and control of their seedlings.

#### RATES AND TIMINGS

Application of BAS 183 06 H may be made before, during or after planting of small grains. For best performance, make applications when weeds are in the 2 to 3 leaf stage and rosettes are less than 2 inches across. Application of BAS 183 06 H to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Use BAS 183 06 H at 2 to 4 fluid ounces per treated acre in wheat, fall seeded barley, and oats, and at 2 to 3 fluid ounces per treated acre in spring seeded barley. Use the higher level of listed rate ranges when treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs.

BAS 183 06 H used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to specific crop for BAS 183 06 H rate and application timing.

For applications prior to the emergence of weeds or when sulfonylurea resistant weeds are present or suspected, use a minimum of 3 fluid ounces per treated acre of BAS 183 06 H with a tank mix herbicide Non-sulfonylurea herbicides such as 2,4-D or MCPA tank mixed with BAS 183 06 H will offer more consistent control of sulfonylurea resistant weeds.

When tank mixing with sulfonylurea herbicides, such as Ally®, Amber®, Express®, Finesse®, Glean®, and, Harmony® Extra use an agriculturally approved surfactant of at least 80% active ingredient at the rate

of 1 to 4 pints/100 gallons of spray or not more than 0.25 to 0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature and difficult to control weeds or dense vegetative growth.

#### FALL AND SPRING SEEDED WHEAT

BAS 183 06 H herbicide MUST BE APPLIED TO FALL SEEDED WHEAT PRIOR TO THE JOINTING STAGE. APPLICATIONS TO SPRING SEEDED WHEAT MUST BE MADE BEFORE WHEAT REACHES THE 6 LEAF STAGE.

#### TANK MIX TREATMENTS

BAS 183 06 H may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE

<sup>1</sup>Apply 2 to 4 fluid ounces BAS 183 06 H with:

Product	Active Ingredient	Formulation	Product Per Acre
2,4-D	2,4-D	4.0 lb/gal	8.0-12.0 fl oz
amine or ester			(.25375 lb ai/A)2
MCPA	MCPA	4.0 lb/gal	8.0-12.0 fl oz
amine or ester		•	(.25375 lb ai/A) <sup>2</sup>
Ally®	metsulfuron-methyl	60% DF	1/10 oz
Amber●	Iriasulfuron	75% DF	0.28 oz
Express <sup>®</sup>	thifensulfuron +	75% DF	1/6 oz
	tribenuronmethyl		
Finesse®	chlorsulfuron +	75% DF	1/3 oz
	metsulfuron-methyl		
Glean <sup>®</sup>	chlorsulfuron	75% DF	1/6 oz
Harmony® Extra		75% DF	1/3 oz
	tribenuron-methyl		
Buctri  <b>∞</b>	bromoxynil <sup>3</sup>	2.0 lb/gal	1.0-1.5 pt
Bronate®	bromoxynil + MCPA	4.0 lb/gal	1.0-2.0 pt
Curtail <sup>®</sup>	clopyralid + 2,4D	2.38 lb/gal	2.0-2 <sup>2</sup> /3 pt
Stinger	clopyralid	3.0 lb/gal	1/4 - 1/3 pt
Karmex® 4	diuron <sup>3</sup>	80% DF	1/2 - 1.5 lb
Sencor® 4	metribuzin <sup>3</sup>	75% DF	1.0-10.0 oz
Dakota® 5 fer	noxaprop-ethyl + MCPA	3.1 lb/gal	16.0 oz
Tiller® 5	fenoxaprop-ethyl +	2.7 lb/gal	1.0 - 1.7 pt
	MCPA + 2,4-D		

<sup>1</sup>Early developing wheat varieties such as TAM 107, MADISON, or WAKEFIELD must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

<sup>2</sup>When using formulations other than 4 lb/gal use pounds active/acre listed.

<sup>3</sup>Herbicides with the same active ingredient and/or different formulations may be used.

\*Tank mixtures for fall seeded wheat only.

<sup>5</sup>Use 2 fluid ounces of BAS 183 06 H only. DO NOT use if wild oats is the target weed. DO NOT use BAS 183 06 H as a tank mix treatment with Dakota or Tiller on Durum wheat.

#### SPECIAL USE TANK MIXES FOR SPRING AND FALL SEEDED WHEAT (SEE FOOTNOTES FOR APPLICABLE USES)

Apply 3 to 41 fluid ounces BAS 183 06 H with:

Product <sup>2</sup>	Active Ingredient	Formulation	Amount of Product Per Acre
2,4-D or MCPA amine	2,4D or MCPA	4.0 lb/gal	1.0 - 2.0 pt <sup>3</sup> (.5 - 1.0 lb ai/A) <sup>4</sup>

2,4-D or MCPA ester	2,4-D or MCPA	4.0 lb/gal	1.0 - 1.5 pt <sup>3</sup> (.575 lb ai/A)4
Ally	metsulfuron-methyl	60%DF	1/20 -1/10 oz
Amber	triasulfuron	75%DF	0.14 - 0.28 oz
Express	thifensulfuron + tribenuron-methyl	75%DF	1/12 - 1/6 OZ
Finesse	chlorsulfuron + metsulfuronmethyl	75%DF	1/6 - 1/3 oz
Glean	chlorsulfuron	75%DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75%DF	1/6 - 1/3 oz
Ally + 2,4-D	metsulfuron-	60%DF +	1/20 - 1/10 oz +
amine or ester <sup>5</sup>	methyl +2, 4-D	4.0 lb/gal	8.0 fl oz
Amber + 2,4-D	triasulfuron +	75%DF +	0.14 oz - 0.28 oz +
amine or ester <sup>5</sup>	2, 4-D	4.0 lb/gal	8.0 fl oz
Express + 2, 4-D	(thifensulfuron +	75%DF +	1/12 - 1/6 oz +
amine or ester <sup>5</sup>	tribenuron- methyl) + 2, 4-D	4.0 lb/gal	8.0 fl oz
Finesse + 2, 4-D	(chlorsulfuron +	75%DF +	1/6 - 1/3 oz +
amine or ester <sup>5</sup>	metsulfuron- methyl) + 2, 4-D	4.0 lb/gal	8.0 fl oz
Glean + 2, 4-D	chlorsulfuron +	75%DF +	1/6 oz +
amine or ester <sup>5</sup>	2, 4D	4.0 lb/gal	8.0 fl oz
Harmony Extra +	(thifensulfuron+	75%DF +	1/6 - 1/3 oz +
2,4-D amine or ester <sup>5</sup>	tribenuron- methyl) + 2, 4-D	4.0 lb/gal	8.0 fl oz
Roundup RT6	glyphosate	3.0 lb/gal	12.0 - 16.0 fl oz
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<sup>1</sup>BAS 183 06 H may be used at 6 fluid ounces on fall seeded wheat in Western Oregon as a spring application only. In CO, KS, NM, OK and TX up to 8 fluid ounces of BANVEL may be applied on fall seeded wheat after it exceeds the 3 leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. BAS 183 06 H may be tank mixed with 2,4-D amine at 8 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

<sup>2</sup>Do not use low rates of sulfonylurea herbicides, such as Ally, Amber, Express, Finesse, Glean, and Harmony Extra on more mature weeds and/or on dense vegetative growth.

<sup>3</sup>Note: For use on Fall Seeded Wheat Only. Do Not Use unless potential crop injury will be acceptable.

<sup>4</sup>When using formulations other than 4 lb/gal use pounds active/acre listed.

<sup>5</sup>Use for improved control of Russian thistle, flixweed,

gromwell, mayweed, and fiddleneck.

<sup>6</sup>BAS 183 06 H may be applied at 2 fluid ounces with Roundup RT or any glyphosate formulation labeled for use as a preplant application to small grains with no waiting period prior to planting. Read and follow label directions of the tank mix product for adjuvant use recommendations.

#### FALL SEEDED BARLEY

BAS 183 06 H MUST BE APPLIED TO FALL SEEDED BARLEY PRIOR TO THE JOINTING STAGE.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring seeded barley.

#### TANK MIX TREATMENTS

BAS 183 06 H may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

### BROADCAST RATE PER TREATED ACRE

Apply 2 to 4 fluid ounces BAS 183 06 H with:

Amount of Formulation Product Per Acre

2,4-D amine or ester	2,4-D	4.0 lb/gal	8.0 fl oz (0.25 lb ai/A)²
MCPA amine or ester	MCPA	4.0 lb/gal	8,0-12,0 fl oz (0,25-0,375 lb ai/A)
Ally®	metsulfuron-methyl	60%DF	1/20 - 1/10 oz
Ambe®r	triasulfuron	75%DF	0.14 - 0.28 oz
Express®	thifensulfuron + tribenuron-methyl	75%DF	1/12 - 1/6 oz
Finesse®	chlorsulfuron + metsulfuron methyl	75%DF	1/6 - 1/3 oz
Glean®	chlorsulfuron	75%DF	1/6 oz
Harmony® Ext	ra thifensulfuron + tribenuron-methyl	75%DF	1/6 - 1/3 oz
Sencor®	metribuzin <sup>3</sup>	75%DF	1.0 - 10.0 oz
Buctril®	bromoxynil	2.0 lb/gai	1.0 -1 1/2 pt
Bronate®	bromoxynil + MCPA	4.0 lb/gal	3/4 -1 1/2 pt

<sup>1</sup> DO NOT use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

<sup>2</sup>When using formulations other than 4 lb/gal use pounds active/acre listed.

<sup>3</sup>Herbicides with the same active ingredient and/or different formulations may be used.

#### SPRING SEEDED BARLEY

**BAS 183 06 H** MUST BE APPLIED BEFORE SPRING SEEDED BARLEY EXCEEDS THE 4-LEAF STAGE.

#### **TANK MIX TREATMENTS**

BAS 183 06 H may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE

Apply 2 to 3 fluid ounces BAS 183 06 H with:

Product <sup>1</sup>	Active Ingredient	Formulation	Amount of Product Per Acre
MCPA amine or ester	MCPA	4.0 lb/gal	8.0 -12.0 fl oz (.25375 lb ai/A)²
Ally	metsulfuron-methyl	60%DF	1/20 - 1/10 oz
Amber	triasulfuron	75%DF	0.14 - 0.28 oz
Express	thifensulfuron + tribenuron-methyl	75%DF	1/12 - 1/6 oz
Finesse	chlorsulfuron + metsulfuron-methyl	75%DF	1/6 - 1/3 oz
Glean	chlorsulfuron	75%DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75%DF	1/6 - 1/3 oz
Sencor	metribuzin <sup>3</sup>	75%DF	1.0-10.0 oz
Buctril	bromoxynil	2.0 lb/gal	1.0- 11/2 pt
Bronate	bromoxynil + MCPA	4.0 lb/gal	3/4 - 1 1/2 pt

1 DO NOT use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

<sup>2</sup>When using formulations other than 4 lb/gal use pounds active/acre listed.

<sup>3</sup>Herbicides with the same active ingredient and/or different formulations may be used.

#### FALL AND SPRING SEEDED OATS

BAS 183 06 H MUST BE APPLIED BEFORE SPRING SEEDED OATS EXCEED THE 5 LEAF STAGE. APPLICATIONS TO FALL SEEDED OATS MUST BE MADE PRIOR TO THE JOINTING STAGE.

#### TANK MIX TREATMENTS

BAS 183 06 H may be tank mixed with one or more of the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and

geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE

Apply 2 to 4 fluid ounces BAS 183 06 H with

Product	Active Ingredient	Formulation	Amount of Product Per Acre
MCPA amine or ester	MCPA	4.0 lb/gai	8.012.0 fl oz (.25375 lb ai/A)1

When using formulations other than 4 lb/gal use pounds active/acre listed.

#### SUGARCANE

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions. Consult your local or state authorities for possible application restrictions, especially concerning aerial applications and advice concerning special local use situations.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at recommended rates, will control many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds commonly found in sugarcane. (Refer to GENERAL WEED LIST).

#### RATES AND TIMINGS

Application of BAS 183 06 H may be made any time after weeds have emerged and are actively growing but before the close-in stage of sugarcane. Application rates and timings of BAS 183 06 H are given below. Use the higher level of listed rate ranges when treating dense vegetative growth.

Weed Stage and Type	Amount Product	Broadcast Rate per Treated Acre lb ai
Annual Small, actively growing Established weed growth	<sup>1</sup> /2 - 1.0 pt 1.0 - 1 <sup>1</sup> /2 pt	1/4-1/2 1/2-3/4
Biennial Perennial	1.0-2.0 pt 2.0-4.0 pt	½-1.0 1.0-2.0*

\* Application made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy in order to minimize the likelihood of crop injury. The use of directed sprays will also aid in maximizing spray coverage of weed foliage.

Retreatments may be made as needed, however, DO NOT exceed a total of 4 pints (2 lbs ai) of BAS 183 06 H per treated acre during a growing season.

#### TANK MIX TREATMENTS

**BAS 183 06 H** may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weeds controlled, and geographic and other restrictions.

Herbicide	Rates per Treated Acre (lb ai)
ametryn (Evik®)	2/5 - 8.0
asulam (Asulox®)	2.0 - 31/3
atrazine	2/5 - 4.0
2,4-D	1/2 - 3.0*

\* Application of **BAS 183 06 H** plus 2,4-D tank mix at the higher listed rate ranges may result in crop injury.

BAS 183 06 H herbicide is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fence rows and non-irrigation ditchbanks) for broadleaf weed and brush control. BAS 183 06 H may also be applied to non-cropland areas for the control of broadleaf weeds in Noxious Weed Control Programs, Districts or Areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level but programs may be administered at state, county, or other level. Observe all PRECAUTIONS. Read and follow MIXING

AND APPLICATION instructions.

BAS 183 06 H uses described in this section also pertain to small grains (forage sorghum, rye, sudangrass, or wheat) grown for pasture use only. Do not apply greater than 1 pint/A (0.5 lb ai/A) to small grains grown for pasture.

NEWLY SEEDED AREAS may be severely injured if rates are greater than 1 pint/A.

ESTABLISHED GRASS CROPS growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustine grass may be injured at rates exceeding 1 pint BAS 183 06 H (1/2 lb ai) per treated acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

### TIMING RESTRICTIONS FOR LACTATING DAIRY ANIMALS FOLLOWING TREATMENT

BAS 183 06 H Rate	Days Before	Days Before
per Treated Acre	Grazing	Hay Harvest
Up to 1 pint (1/2 lb ai)	7 days	37 days
Up to 1 quart (1 lb ai)	21 days	51 days
Up to 2 quarts (2 lb gi)	40 days	70 days

**Note:** Observe all precautions and restrictions on labels of products used in tank mixtures.

#### MIXING AND APPLICATION

BAS 183 06 H can be applied using water, oil in water emulsions including invert systems, or sprayable fluid fertilizer as a carrier. A COMPATIBILITY TEST (see COMPATIBILITY TEST section) should be made prior to tank mixing.

To prepare oil in water emulsions, half-fill spray tank with water, then add the appropriate amount of emulsifier. With continuous agitation, slowly add the herbicide and then the oil (such as diesel oil or fuel oil) or a premix of oil plus additional emulsifier to spray tank. Complete filling of spray tank with water. Maintain vigorous agitation during spray operation to prevent oil and water from forming separate layers.

BAS 183 06 H may be applied broadcast using either ground or aerial application equipment. When using ground equipment, apply 3 to 600 gallons of diluted spray per treated acre. Volume of spray applied will depend on the height, density, and type of weeds or brush being treated and on the type of equipment being used. When using aerial equipment apply 2 to 40 gallons of diluted spray per treated acre in a

water-based carr...

BAS 183 06 H may be applied to individual clumps or small areas (SPOT TREATMENT) of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems. Herbicide adjuvants or other spray additives (emulsifiers, surfactants, wetting agents, drift control agents, or penetrants) may be used for wetting, penetration, or drift control. Spray additives must be agriculturally approved when used in pasture applications. If spray additives are used, read and follow all use recommendations and precautions on product label.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at recommended rates, will give control of many ANNUAL, BIENNIAL, and PERENNIAL broadleaf weeds, and many WOODY brush and vine species commonly found in pasture, hay, rangeland, and general farmstead (non-cropland) areas. (Refer to GENERAL WEED LIST.) Noted (\*) PERENNIAL weeds may be controlled with lower rates of either BAS 183 06 H or BAS 183 06 H plus 2,4-D. See the following RATES AND TIMINGS section.

#### RATES AND TIMINGS

Application rates and timing of **BAS 183 06 H** are given on the following page. Use the higher level of listed rate ranges when treating dense or tall vegetative growth.

Weed Stage & Type	Amount Product	Broadcast rate per an treated acre (lb ai)
<u>Annual</u>		
Small, actively growing	1/2 -1.0 pt	1/4 -1/2
Established weed growth	1.0-11/2 pt	1/2 -3/4
Biennial <sup>1</sup>		
Rosette diameter		
Less than 3 inches	1/2 -1.0 pt	1/4 -1/2
3 inches or more	1.0 - 2.0 at	1/2 - 1.0
Bolting	2.0 pt	1.0
<u>Perennial</u>	2.0 0.	
Suppression or top		
growth control	1/2 -1.0 at	1/2 -1.0
Noted (*) perennials	1.0 at	1.0*
Woody Brush & Vines		
Top growth suppression	1/2 -1.0 qt	1/2 -1.0
Top growth control 2	1.0 - 2.0 qt	1.0 - 2.0*
Stems and stem suppression	2.0 qt	2.0*
	•	

- <sup>1</sup> For best performance, make application when Biennial weeds are in the rosette stage.
- Species noted in GENERAL WEED LIST will require tank mixtures for adequate control.
- \* Rates above 1.0 lb ai/A are spot treatments only. **DO NOT** broadcast apply more than 1 lb ai/A per application.

Retreatments may be made as needed; however, **DO NOT** exceeded a total of 2 quarts (2 lbs ai) of **BAS 183 06 H** per treated acre during a growing season.

#### TANK MIX TREATMENTS

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES, AND OTHER RESTRICTIONS. BANVEL may be tank mixed with one or more of the following herbicides for control of grasses, additional broadleaf weeds, and

woody brush and vines.

Herbicide	Rates per treated 'acre (lb ai)
Pasture, hay, rangeland, and general farmstead (non-cropland) use:	
glyphosate (Roundup®)	3/4 - 33/4
metsulfuron methyl (Ally)	0.0038 to 0.011
paraqual (Gramoxone)	1/2 - 1.0
picloram (Tordon®)	1/8 - 3.0
triclopyr (Garlon®)	3/4 - 9.0
2,4-D	1/4 - 6.0

Due to the variations that may occur in formulated products and specific use ingredients (e.g., water supplies), a COMPATIBILITY TEST (see COMPATIBILITY TEST) is recommended prior to actual tank mixing.

#### CUT SURFACE TREE TREATMENTS

BAS 183 06 H herbicide may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees. A mix of 1 part BAS 183 06 H with 1 to 3 parts water should be used in application. Use the lower dilution when treating difficult-to-control species. FRILL OR GIRDLE TREATMENTS: Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint cut surface with the BAS 183 06 H/water mix.

STUMP TREATMENTS: Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

Note: For more rapid foliar effects, 2,4-D may be added to the BAS 183 06 H/water mix.

### DORMANT APPLICATIONS FOR CONTROL OF MULTIFLORA ROSE

BAS 183 06 H can be applied when plants are dorment as an undiluted SPOT-CONCENTRATE directly to the soil or as a LO-OIL BASAL BARK treatment using an oil-water emulsion solution.

SPOT-CONCENTRATE applications of BAS 183 06 H should be applied directly to the soil as close as possible to the root crown but within 6 to 8 inches of the crown. On sloping terrain, application should be made to the uphill side of the crown. Do not make application when snow or water prevents applying BAS 183 06 H directly to the soil. The use rate of BAS 183 06 H is dependent on the canopy diameter of the multiflora rose. Examples: Use BAS 183 06 H at 1/4, 1.0, or 2 1/4 fluid ounces of product respectively, for 5, 10, or 15 feet canopy diameters. DO NOT exceed a total of 2 qts BAS 183 06 H per acre per year.

LO-OIL BASAL BARK applications of **BAS 183 06** H should be applied to the basal stem region from the ground line up to a height of 12 to 18 inches. Spray until runoff, with special emphasis on covering the root crown. For best results, make application when plants are dormant. **DO NOT** make application after bud break or when plants are showing signs of active growth. Do not make application when snow or water prevents applying **BAS 183 06** H to the ground line. Refer to MIXING AND APPLICATIONS above in this section for method of preparing oil-in-water emulsion. Example for making approximately 2 gallons of a LO-OIL spray solution mixture: combine 1½ gallons water plus 1 ounce emulsifier plus 1 pint **BAS 183 06** H plus 2 ½ pints of No. 2 diesel fuel. Adjust amounts of materials used

proportionately to the amount of final spray solution desired. DO NOT exceed 8 gallons of final spray solution applied per acre per year.

#### CONSERVATION RESERVE PROGRAM (CRP) ACRE

BAS 183 06 H is recommended for use on both newly seeded and established grasses grown in Conservation Reserve or Federal Set-A-Side Programs. Observe all PRECAUTIONS, MIXING AND APPLICATION directions.

**BAS 183 06 H** treatment will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Agriculturally approved surfactants may be added to the spray mixture to improve postemergence weed control, particularly in dry growing conditions.

DO NOT use adjuvants containing penetrants such as petroleum-based oils after grass emergence on newly seeded grasses.

#### **NEWLY SEEDED AREAS**

BAS 183 06 H may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3 leaf stage. Rates of BAS 183 06 H greater than 1 pint per treated acre may severely injure newly seeded grasses. Preplant applications - injury to new seedings may occur if intervals between application and grass planting is less than 45 days per pint of BAS 183 06 H per treated acre west of the Mississippi River or 20 days per pint east of the Mississippi River.

#### ESTABLISHED GRASS STANDS

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species: bentgrass, carpetgrass, smooth brome, buffalograss or St. Augustine grass may be injured when treated with BAS 183 06 H at rates exceeding 1 pint per treated acre.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at recommended rates, will control many ANNUAL and BIENNIAL weeds and provide control or suppression of many perennial weeds. (Refer to GENERAL WEED LIST)

#### RATES AND TIMINGS

Application rates and timing of **BAS 183 06 H** treatment are given on the column. Use the higher rate of the rate range when vegetation is either dense or tall, or when weeds are growing under stressed conditions such as drought or cool temperature.

Weed Type* & Stage	Broadcast Rate Per Treated Acre Amount of Equivalent Formulated BAS 183 06 H   b at		
	- pints -		
Annuals Small actively growing Established weed growth Biennials**	1/4 - 1.0 1.0	1/8-1/2	
Rosette diameter a) less than 3 inches b) 3 inches or greater c) bolting biennial	1/2 - 1.0 1.0 - 2.0 2.0	1/4 - 1/2 1/2 - 1.0 1.0	

#### <u>Perennials</u>\*\*

Suppression/Control

2.0 1.0

- For best results, treat biennial weeds with BAS 183 06 H herbicide when they are in the rosette stage of growth. Retreatments may be made as needed; however, DO NOT EXCEED A TOTAL OF 2 QUARTS (2 lbs ai) of BAS 183 06 H per treated acre during a growing season.
- \*\* Biennial and Perennial weeds will require follow-up (sequential) treatments for seedling control and escapes.

#### TANK MIX TREATMENTS

To control grasses and additional broadleaf weeds, BAS 183 06 H may be tank mixed with other herbicides registered for use in Conservation Reserve Programs such as 2,4-D, glyphosate (Roundup), paraquat (Gramoxone), metsulfuron (Ally) and others. READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES, AND OTHER RESTRICTIONS.

#### **ASPARAGUS**

For Use Only in the States of California, Oregon and Washington

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions.

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

DO NOT harvest prior to 24 hours after treatment.
DO NOT use in the Coachella Valley of California.
Multiple applications may be made per growing season. DO NOT exceed a total of 1 pint of BAS 183 06 H per treated acre per crop year.

#### RATES AND TIMINGS

Apply BAS 183 06 H to emerged and actively growing weeds in 40 to 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting.

	Weeds	Rate Per Treated Acre
*	Mustard, Black Pigweed, Redroot (Carelessweed) Sowthistle, Annual Thistle, Canada Thistle, Russian	<sup>1</sup> /2 - 1.0 pt ( <sup>1</sup> /4 - <sup>1</sup> /2 lb ai)
	Bindweed, Field Chickweed, Common Goosefoot, Nettleleaf Radish, Wild Thistle, Milk	1.0 pt (1/2 lb ai)

BAS 183 06 H may be applied in a tank mixture with either 2,4-D or Roundup herbicide for improved control of noted (\*) weeds. Read and follow 2,4-D or Roundup Herbicide PRODUCT LABELING FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS, AND OTHER RESTRICTIONS.

#### TURF AND LAWNS

#### FOR USE IN GENERAL FARMSTEAD (NON-CROPLAND) AND SOD FARMS IMPORTANT

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions.

To avoid injury to newly seeded grasses, application of **BAS 183 06 H** should be delayed until after the second mowing.

Furthermore, application rates in excess of 1 pint (1/2 lb ai) per treated acre may cause noticeable stunting or discoloration of sentsitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustine grass.

In areas where roots of sensitive plants extend, do not apply in excess of 1/4 pint (1/8 lb ai) of BAS 183 06 H per treated acre on coarse textured (sandy-type) soils, or in excess of 1/2 pint (1/4 lb ai) per treated acre on fine textured (clayey-type) soils. DO NOT make repeat applications in these areas for 30 days and until previous applications of BAS 183 06 H have been activated in the soil by rain or irrigation.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at recommended rates, will give control of many ANNUAL, BIENNIAL, and noted (\*) PERENNIAL broadleaf weeds commonly found in turf. BAS 183 06 H will also give growth suppression of many other listed PERENNIAL broadleaf weeds and WOODY brush and vine species. (Refer to GENERAL WEED LIST.)

#### MIXING AND APPLICATION

Apply 30 to 200 gallons of diluted spray per treated acre (3 at to  $4\frac{1}{4}$  gal per 1,000 sq ft), depending on density or height of weeds treated and on the type of equipment used.

#### RATES AND TIMINGS

Use the higher level of listed rate ranges when treating dense vegetative growth.

per 1000 sq ft
1.0 - 21/4
21/4-31/4
1.0 - 21/4
21/4-41/2
-,,-
21/4-41/2

For best performance, apply when weeds are emerged and actively growing.

Retreatments may be made as needed; however, do not exceed a total of 2 pints (1 lb ai) BAS 183 06 H per treated acre during a growing season.

#### TANK MIX TREATMENTS

READ AND FOLLOW THE LABEL OF EACH TANK MIX PRODUCT USED FOR PRECAUTIONARY STATEMENTS, DIRECTIONS FOR USE, APPLICATION RATES AND TIMINGS AND OTHER RESTRICTIONS.

Tank mix treatments of **BAS 183 06 H** may be made with 2,4-D, MCPA, MCPP, or bromoxynil for control of additional weeds listed on the tank mix product label.

Apply 1/5 to 1/2 pint (1/10 to 1/4 lb ai) of **BAS 183 06 H** per treated acre with 1/2 to 1 1/2 lb acid equivalent of 2,4-D, MCPA, or MCPP, or with 3/8 to 1/2 lb ai of bromoxynil. Use the higher level of the listed rate ranges when treating established weeds. Repeat treatments may be made as needed; however, **DO NOT** exceed 2 pints (1 lb ai) of **BAS 183 06 H** per treated acre during the growing season.

#### **GRASS SEED CROPS**

#### GRASSES GROWN FOR SEED SUCH AS BERMUDA GRASS, BLUEGRASS, FESCUE, AND RYEGRASS IMPORTANT

Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions.

Refer to the PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (Non-Cropland) section for possible grazing and feeding restrictions.

**DO NOT** use on bentgrass unless possible crop injury can be tolerated.

#### WHDS CONTROLLED

BAS 183 06 H herbicide will provide control of suppression of annual broadleaf weeds listed below. For improved control of listed weeds plus additional weeds, it is recommended that BAS 183 06 H be applied in a tank mix with other herbicides.

Alfalfa<sup>1</sup>
Bedstraw, Catchweed
Bindweed, Field
Buttercup, Corn
Buttercup, Creeping
Buttercup, Western Field
Catchfly, Nightflowering
Chamomile, Corn
Chickweed, Common
Chickweed, Mouseear
Clover
Cockle, White
Dock, Broadleaf
Dock, Curly

Hemlock, Poison
Knapweed, Russian<sup>1</sup>
Knawel
Knotweed, Prostrate
Kochia
Ladysihumb
Lambsquarters, Common
Lettuce, Prickly
Mayweed (Dogfennel)
Ragwort, Tansy
Sorrel, Red (Sheep Sorrel)
Sowthistle, Annual
Starwort, Little
Thistle, Canada<sup>1</sup>

<sup>1</sup>Top growth only

#### RATES AND TIMINGS

Apply 1/2 to 1 pint of BAS 183 06 H per treated acre on SEEDLING GRASS after the crop reaches the 3 to 5 leaf stage. Apply up to 2 pints of BAS 183 06 H on well established perennial grass. DO NOT APPLY AFTER THE GRASS SEED CROP BEGINS TO JOINT. For best performance, make applications when weeds are in the 2 to 4 leaf stage and rosettes are less than 2 inches across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative arowth.

#### TANK MIX TREATMENTS

For control of grasses or additional broadleaf weeds, **BAS 183 06 H** may be tank mixed with all broadleaf herbicides registered for use in Grass Seed Production. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE

Apply 1/2 to 2 pints BAS 183 06 H with:

Product	Active Ingredient	Formulation	Amount of Product Per Treated Acre
2,4-D amine or ester	2,4-D	4.0 lb/gal	1.0-4.0 pt {.5-2,0 lb ai/A}'
MCPA amine	MCPA	4.0 lb/gal	1.0-2.0 pt (.5-1.0 lb ai/A) <sup>3</sup>
Buctril <sup>®</sup>	bromoxynil <sup>2</sup>	2.0 lb/gal	1.0-2.0 pt
Curtail <sup>®</sup>	clopyralid + 2,4D	2.38 lb/gal	$1^3/4-4.0$ pt
Karmex®	diuron <sup>2</sup>	80%DF	2.0-4.0 lb
Stinger®	clopyralid	3.0 ib/gal	1/4-1.0 pt

- When using formulations other than 4 lb/gal use pounds active/acre listed.
- <sup>2</sup> Herbicides with the same common name and/or different formulations may be used.

#### ANNUAL GRASS CONTROL

For suppression of ANNUAL GRASS WEEDS such as: Brome, Downy (Cheatgrass)

Brome, Ripgut Fescue, Rattail

Windgrass

Apply up to 2 pints of **BAS 183 06 H** per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

#### PREPLANT DIRECTIONS (POST HARVEST/ FALLOW/CROP STUBBLE/SET-A-SIDE) FOR BROADLEAF WEED CONTROL BEFORE WHEAT, CORN, SORGHUM, SOYBEANS

IMPORTANT: Observe all precautions. Read and follow mixing and application instructions.

#### WEEDS CONTROLLED

BAS 183 06 H may be applied alone or in tank mix combinations with other herbicides registered for this use. BAS 183 06 H can be applied either POST HARVEST in the fall, spring, or summer during the FALLOW period or to CROP STUBBLE/SET-A-SIDE acres. BAS 183 06 H, when applied at the recommended rates, will control many ANNUAL broadleaf weeds, see the WEEDS CONTROLLED section under SMALL GRAINS. In addition, BAS 183 06 H will control or suppress the following BIENNIAL and PERENNIAL broadleaf weeds:

Knapweed, Spotted Nightshade, Silver Redvine Alfalfa<sup>1</sup> Artichoke, Jerusalem Bindweed, Field Bindweed, Hedge Blueweed, Texas Smartweed, Swamp Sowthistle, Perennial<sup>1</sup> Bursage (Bur Ragweed, Spurge, Leafy Thistle, Bull Povertyweed, Lakeweed)1 Dandelion, Common<sup>1</sup>
Dock, Curly<sup>1</sup>
Dogbane, Hemp
Garlic, Wild<sup>2</sup> Thistle, Canada <sup>2</sup> Thistle, Milk Thistle, Musk Thistle, Plumeless Horsenettle, Carolina Knapweed, Diffuse Thistle, Scotch Trumpetcreeper (Buckvine)

- PERENNIALS may be controlled using BAS 183 06 H at rates lower than those recommended for other listed PERENNIAL weeds. (See RATES AND TIMINGS under this heading).
- <sup>2</sup> See the SPECIAL TANK MIX TREATMENTS section under this heading for specific control programs for these weeds

#### RATES AND TIMINGS

Apply BAS 183 06 H as a broadcast or spot treatment to

emerged and actively growing weeds after crop harvest (post harvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer. Agriculturally approved spray additives, such as surfactants or oils, may be used to enhance spray coverage and the herbicide's penetration of weed foliage. See CROPPING RESTRICTIONS for recommended interval between application and planting to prevent crop injury.

For best performance, make application when ANNUAL weeds are less than 6 inches tall, when BIENNIAL weeds are in the rosette stage and to PERENNIAL weed regrowth in late summer or fall following a mowing or tillage treatment. Most effective control of upright PERENNIAL broadleaf weeds, such as Canada thistle and Jerusalem artichoke, occurs if application is made when the majority of weeds, such as field bindweed and hedge bindweed, are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds which develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for BAS 183 06 H herbicide. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of BAS 183 06 H, see the RATES AND TIMINGS section under the SMALL GRAINS heading for details.

#### BAS 183 06 H RATES PER TREATED ACRE:

Weed Type	Amount of Product Per Treated Acre
Annual	1/2-1.0 pt (8.0 - 16.0 fl oz)
Biennial	1.0-2.0 pt (16.0 - 32.0 ft oz)
Perennial	1.0-2.0 pt (16.0 - 32.0 fl oz)
Perennial suppression	1.0-2.0 pt (16.0 - 32.0 fl oz)
Noted (1) perennials	2.0 pt (32.0 fl oz)
Other perennials	2.0 pt (32.0 fl oz)

Retreatments may be made as needed; however, **DO NOT** exceed a total of 4 pints of **BAS 183 06 H** per treated acre during any given fallow period.

#### TANK MIX TREATMENTS

BAS 183 06 H may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weeds controlled, and geographic or other restrictions.

### BAS 183 06 H BROADCAST RATE PER TREATED ACRE FOR ANNUAL WEED CONTROL:

Apply 1/4 to 1 pint BAS 183 06 H with:

• • •	•		Amount of
Product	Active Ingredient	Formulation	Product Per Acre
Aatrex® 4L1	atrazine	4.0 lb/gal	0.5 -6.0 pt
Aatrex® Nine-O®1	atrazine	90%DF	0.5 -3.3 lb
Ally@2	metsulfuron-methyl	75%DF	0.1 oz
Amber®2	triasulfuron	75%DF	0.28-0.35 oz
Bladex® 1	cyanazine	90%DF	2.7-3.6 Њ
Cyclone®	paraquat	2.0 lb/gal	1.0-2.0 pt
Fallow Master®	glyphosate + dicamba	1.6 lb/gal	22.0-44.0 fl oz
Finesse®2	chlorsulfuron +	75%DF	0.2 oz
	metsulfuron-methyl		
Gramoxone® Extra	paraquat	2.5 lb/gal	1.5 pt
Kerb <sup>©1</sup>	pronamide	50-W	0.5 -1.0 lb
Landmaster® BW	glyphosate + 2,4-D	2.4 lb/gal	27.0-54.0 fl oz
Roundup or Roundup RT	glyphosate	3.0 lb/gal	8.0-48.0 fl oz
Sencor® DF1	metribuzin	75%DF	0.5 -1.0 lb
Sencor® 41	metribuzin	4.0 lb/gal	0.75 -1 <sup>1</sup> / <sub>2</sub> pt
2,4-D	2,4-D	4.0 lb/gal	1.0-2.0 pt
•			$\{0.5-1.0 \text{ lb ai/A}\}^3$

Tank mixes of **BAS 183 06 H** with these products may be subject to special restrictions. See the product label of the tank mix partner for intended use rates, restrictions, and other precautions.

When tank mixing with sulfonylurea herbicides refer to the product label for rates and restrictions. Use a surfactant of at least 80% active ingredient at the rate of 1 to 2 quarts/100 gallons of spray or not more than 0.25 to 0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature weeds or dense vegetative growth. Sulfonylurea resistant weeds may not be controlled by tank mixes of BAS 183 06 H and a sulfonylurea refer to the BAS 183 06 H tank mix section for alternative tank mixes.

BAS 183 06 H tank mix section for alternative tank mixes.

When using formulations other than 4 lb/gal use pounds active/acre listed.

### BAS 183 06 H BROADCAST RATE PER TREATED ACRE FOR BIENNIAL AND PERENNIAL WEED CONTROL:

Apply 1 to 2 pints of BANVEL with:

Product	Active Ingredient	Formulation	Amount of Product Per Acre
Curtail <sup>®</sup>	clopyralid +2,4-D	2.38 lb/gal	2.0-4.0 pt
2,4D	2,4-D	4.0 lb/gal	2.0-6,0 pt
			(1.0 - 3.0 lb ai/A) <sup>1</sup>
Landmaster® BW	glyphosate +2,4D	2.4 lb/gal	54.0 fl oz
Roundup®	glyphosate	3.0 lb/gal	1.0-5.0 qt
Roundup RT	glyphosate	3.0 lb/gal	1.0-5.0 gt
Tordon® 22K	picloram	2.0 lb/gal	1/2-1.0 pt

<sup>1</sup>When using formulations other than 4 lb/gal use pounds active/acre listed.

#### SPECIAL TANK MIX TREATMENTS

For suppression of PERENNIAL weeds, apply 1/2 to 1 pint of **BAS 183 06 H** with 8 to 16 fluid ounces of Roundup Herbicide or Roundup RT per treated acre.

For wild garlic control, apply 1 pint BAS 183 06 H with 3 pints of 2,4-D LV ester (4 lb/gal) per treated acre. Apply when wild garlic is 4 to 8 inches tall.

For Canada thistle control, use **BAS 183 06 H**, **BAS 183 06 H** plus Curtail, or **BAS 183 06 H** plus Roundup herbicide

Roundup RT tank mix treatments.

Application may be made during fallow periods for control of volunteer barley, bulbous bluegrass, downy brome, jointed goatgrass, common rye, and volunteer wheat when they are actively growing. Use 1 pint BAS 183 06 H with 1/2 to 1 lb Kerb 50-W. Fall seeded wheat may be planted 9 months or more after application. For best performance, make application between mid-October and mid-December, prior to soil freeze up.

During fallow periods, apply BAS 183 06 H plus Landmaster BW or Fallow Master Herbicide to give improved control of kochia, wild buckwheat, prickly lettuce, field bindweed, and Canada thistle. Use 1/8 to 1/4 pint of BAS 183 06 H plus 22 to 54 fluid ounces of Landmaster BW or Fallow Master Herbicide for annual weed control or 1/4 to 1/2 pint BAS 183 06 H plus 22 to 54 fluid ounces of Landmaster BW or Fallow Master Herbicide for perennial weed suppression.

#### CROPPING RESTRICTIONS

The following recommendations are based on BAS 183 06 H use rates up to 4 pints per treated acre. CORN, SORGHUM, and SOYBEANS may be planted in the spring following applications made during the previous year. If less than 1 inch of rainfall occurs between application and the first killing frost, treated areas should be cultivated to allow herbicide to come in contact with moist soil. Cultivation may take place before or immediately after ground thaw.

Soybean injury may occur if the interval between application and planting is less than specified. In areas with greater than 30 inches of rainfall, delay planting for 30 days per pint of BAS 183 06 H herbicide per treated acre. In areas with less than 30 inches of rainfall, delay planting for 45 days per pint of BAS 183 06 H per treated acre. Exclude days when ground is frozen. WHEAT may be planted in the fall or spring following applications. Also, spot applications may be made any time prior to crop emergence if crop injury can be tolerated in treated areas. Wheat injury may occur if the interval between application and planting is less than specified.

East of the Mississippi River, the interval is 20 days per pint of BAS 183 06 H per treated acre or 1.25 days per 1 ounce. Moisture is essential for BAS 183 06 H degradation. Exclude days when ground is frozen.

West of the Mississippi River, the interval is 45 days per pint of BAS 183 06 H per treated acre or 3 days per ounce. Moisture is essential for BAS 183 06 H degradation. Exclude days when ground is frozen.

Following a normal harvest of barley, oats, or wheat, any rotational crop may be planted. If the interval before harvest is shortened, such as when cover crops will be plowed under, do not follow up with the planting of a sensitive crop.

# CONTROL OF PERENNIAL BROADLEAF WEEDS IN CROPLAND (SPOT APPLICATION ONLY)

FOR USE ONLY IN THE STATES OF IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON.

IMPORTANT: Observe all PRECAUTIONS. Read and follow MIXING AND APPLICATION instructions. **DO NOT** treat subirrigated cropland or areas where the soil remains saturated with water throughout the year. Make only one application of **BAS 183 06 H** per year.

#### WEEDS CONTROLLED

BAS 183 06 H, when applied at recommended rates, will control many broadleaf weeds including:

Bindweed, Field Dock, Broadleaf (Bitterdock) Dock, Curly Knapweed, Black Knapweed, Russian Ragwort, Tansy Spurge, Leafy Thistle, Canada

#### RATES AND TIMINGS

BAS 183 06 H may be applied at any time following a crop harvest to stubble fallow or other cropland. Application should be made when weeds are actively growing and prior to a killing frost.

Apply 2 pts (1 lb ai) of **BAS 183 06** H per treated acre. Application may be made up to one month prior to the planting of wheat.

 $\ensuremath{\text{\textbf{NOTE: DO NOT}}}$  use unless injury to wheat or rotated barley will be acceptable.

Barley, oats, corn, sorghum (milo), annual or perennial grass crops may be planted into treated areas one year after application. Crops grown for seed (other than perennial grass seed) should not be planted into treated areas until three years after application. Do not

plant broadleaf crops such as alfalfa, beans, peas, potatoes, or sugarbeets into treated areas until two years after application.

In most cases, treatments will not kill perennial weed seedlings which germinate from seed one or two years after treatment. Once the effect of the chemical has been lost, a follow-up program for seedling control or other cultural practices should be instituted.

#### WIPER APPLICATION USES

IMPORTANT: Observe all PRECAUTIONS.

BAS 183 06 H may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution contain 1 part BAS 183 06 H to 1 part water. DO NOT contact desirable vegetation with herbicide solution. Wiper application should only be made to crops (including PASTURES) and NON-CROPLAND AREAS described in this label with the exception of GRAIN SORGHUM (MILO).

#### STORAGE AND DISPOSAL

**PROHIBITIONS: DO NOT** contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container in a well-ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

PESTICIDE DISPOSAL: Triple rinse pesticide from containers and use rinsates in the pesticide application. Wastes which cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER DISPOSAL**

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

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#### CONTAINER DISPOSAL (continued)

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### BULK STORAGE AND DISPOSAL AGITATE BEFORE USE

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

STORAGE: Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to federal and local procedures under Subtitle C of the Resource Conservation and Recovery Act.

BULK TANK MAINTENANCE: Follow clean-out directions in the Dealer Bulk Handling Guide for BAS 183 06 H listed under Bulk Storage Tank Requirements.

**GENERAL:** Consult federal, state, or local disposal authorities for approved alternative procedures, such as limited burning.

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#### Conditions of Sale and Warranty

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The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT

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