7969-112

01/30/01



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

JAN 3 0 2001

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Edward G. Jordon Ph.D. BASF Corporation 26 Davis Drive P.O. Box 13528 Research Triangle Park, NC 27709-3528

Dear Dr. Jordon:

Subject: Revised Label Basagran 5L Herbicide EPA Registration No. 7969-112 Your Submission Dated January 12, 2001

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. In the peas directions for use you should clarify the restriction to indicate that 3.2 pints of Basagran 5L equals 2.0 lbs bentazon a.i.

b. Please note that 40 CFR 156.10(i)(1)(ii) states that only the Directions For Use may appear on printed or graphic matter which accompanies the pesticide (the inside booklet). If all of the Precautionary Statements and First Aid Statements cannot appear on the container label due to size constraints, you should formally submit a request for a size exemption from the regulations.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

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If you have any questions concerning this letter, please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

W. Store

Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505C)

Enclosure

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wjm 1-9-01 NVA 2001-04-004-0003

BASF

ACCEPTED with COMMENTS In EPA Letter Dated:

JAN 3 0 2001

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



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herbicide

5L

Postemergence Herbicide

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A soluble liquid formulation containing:

Active Ingredient:

* Equivalent to 5.0 pounds per gallon bentazon [3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide]

EPA Reg. No. 7969-112

KEEP OUT OF REACH OF CHILDREN.

DANGER/PELIGRO

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).

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASE Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

See inside booklet for complete **Precautionary Statements**, **Directions For Use** and **Conditions of Sale and Warranty**.

Product of Germany: formulated in U. S. with U. S. and imported ingredients.

Net contents 21/2 gallons

BASF Corporation P.O. Box 13528, Research Triangle Park, NC 27709 Specimen Label

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Precautionary Statements HAZARDS TO HUMANS (& DOMESTIC ANIMALS) DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE).

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent material that have been drenched or heavily contaminated with this product's concentrate. Do not re-use 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 Statement: 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.

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 contaminate water when disposing of equipment wash waters or rinsate. Bentazon, which is present in this product, is known to leach through soil into groundwater 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 groundwater contamination.

Notice: It is a violation of Federal law to use any pesticide in a manner that results in the death of an endangered species or in adverse modification of their habitat.

Directions For Use - All Crops

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. Read the **Precautionary** Statement, Environmental Hazards, Storage and Disposal statements, and Conditions of Sale and Warranty statement appearing in this booklet.

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 48 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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Storage and Disposal

Do not allow product to freeze. Do not contaminate water, food, orfeed by storage or disposal.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple-rinse container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

Do not re-use empty container. Bulk/Mini-Bulk and refillable containers of less than 55 gallons:

Refillable/reusable containers should be returned to the point of purchase for cleaning and refilling. Refillable/reusable containers must be thoroughly cleaned before refilling.

In case of spill

In case of large-scale spillage regarding this product, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spill and call: CHEMTREC 800-424-9300

BASE Corporation 800-832-HELP General Information

Basagran® 5L herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges. (See Directions For Use for specific crops and weeds.) Basagran 5L does not control grasses. Basagran 5L is effective mainly through contact action: therefore, weeds must be thoroughly covered with spray. Large cropand-weed leaf canopies shelter smaller weeds and prevent acequate spray coverage. Labeled crops are tolerant to Basagran 5L however, some leaf-speckling and leaf-bronzing may occur under certain conditions. (See Restrictions and Limitations for each crcp.)

Timing of Applications Apply Basagran[®] 5L herbicide

early, when weeds are small and actively growing and before weeds reach the maximum size listed in the application rate tables for the individual crops.

Early application produces the most beneficial effect on weed control (exceptions: yellow nutsedge and Canada thistle), allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Cultivation

Do not cultivate within five days before or after application of **Basagran 5L** in the following northern and western states: AZ, CA, CO, CT, IA, ID, IL, IN, KS, KY, IA, ME, MI, MN, MO, MT, NE, ND, JH, NJ, NV, NY, OH, OR, PA, RI, SD, UT, VT, WA, WI, WV, and WY. Cultivation may put weeds under stress and reduce control obtained. Timely cultivation 2-3 weeks after applying **Basagran 5L** may assist weed control.

Water Volume and Spray Pressure

Apply recommended rates of Basagran 5L as follows: Ground Equipment: Use 10-20

gallons of water per broadcast acre and 40-60 psi pressure (measured at the boom, not at the pump or in the line). When crop and weed foliage is dense, use up to 50 gallons of water and up to 80 psi presure. Use standard high pressure

pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood, whirl chamber or controlled droplet application (CDA) nozzles.

Air Equipment: Use a minimum of 5 gallons of water per acre (except 10 gallons for rice) and a maximum of 40 psi pressure. Use only diaphragm-type nozzles producing cone or fan spray patterns.

Aerial Application — Special Directions

To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

Nozzle Height: Maximum of 10 feet above crop.

Nozzle Orientation: Nozzles must be oriented so as to discharge

straight back with the air stream (opposite the direction of travel of the aircraft) or at some angle between straight back and straight down. For optimal coverage when applying **Basagran 5L** by air in rice, orient all nozzles straight back. Nozzles must not be located farther out than three-fourths the distance from the center of the aircraft to the end of the wing or rotor. Do not apply Basagran 5L by aircraft when wind velocity exceeds 10 mph (except above 5 mph in California). Coarse sprays (large droplets) are less likely to drift. Do not apply Basagran 5L by air if ornamental or sensitive non-target crops, such as cotton, sugar beets, sunflowers or okra are within 200 feet downwind. Applicator must follow the most

restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Special Information for Irrigated Areas

In irrigated areas, it may be necessary to irrigate prior to treatment with **Basagran 5L** to ensure that weeds are growing actively. Weeds growing under drought conditions usually are not satisfactorily controlled.

Addition of Oil Concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should be added to the spray tank for certain weed problems as recommended in the directions for specific crops. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria: 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality in the **Jar Test for Estimating Suitability of**

Mixes, and 4) be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable oils are more satisfactory than unrefined vegetable oils. For additional information, see Jar Test for Estimating

Suitability of Mixes at the end of this section.

With the addition of oil concentrate to **Basagran 5L** on soybeans, beans, and peanuts, a slight leaf burn may occur, but all new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. A few oil concentrates have exhibited excessive leaf burn. Refer to your supplier of **Basagran 5L** for information concerning successful local experience prior to purchasing any oil concentrate.

Do not add oil concentrate to **Basagran 5L** for use on peas except as directed for use in the Pacific Northwest (PNW).

Rate of Oil Concentrate:

Ground application - 1.25% v/v; 2 pints/acre (maximum). **Air application** - 1.25% v/v; 1 pint/acre (maximum). **California:** refer to additional information under the specific crop (beans and corn/sorghum).

Addition of Nitrogen Solution (UAN or AMS) for Velvetleaf and Other Weeds*

Urea Ammonium Nitrate (UAN) solution (commonly referred to as 28%, 30% or 32% nitrogen solution) or AMS (ammonium sulfate) may be added to **Basagran 5L** in place of oil concentrate for improved control of velvetleaf. Improvement in the control of cocklebur, wild sunflower, Pennsylvania smartweed, devilsclaw, venice mallow, and wild mustard may also be attained.

Either nitrogen solution should be added to the tank with Basagran 5L when velvetleaf is the primary target weed. Basagran 5L plus a nitrogen solution will not provide adequate control of common ragweed and common lambsquarters. If these weeds or other weeds requiring oil concentrate are present in addition to velvetleaf, then oil concentrate should also be used. UAN solution is an agricultural grade fertilizer used by local dealers for agricultural applications. With the addition of UAN solution or UAN solution plus oil concentrate to Basagran 5L on certain crops, a slight leaf burn may occur, but the new growth is normal and crop vigor is not reduced. Refer to your supplier of Basagran 5L for information concerning successful local experience prior to using UAN solution.

* Not applicable in California.

Ammonium sulfate (AMS) is a dry granular nitrogen source fertilizer. Several grades of ammonium sulfate are currently available, however, only fine feed grade or spray grade AMS is recommended as an additive to Basagran* 5L herbicide. Inferior grades of AMS do not dissolve adequately leading to plugging of spray nozzles. The use of AMS requires some preparation in mixing with Basagran 5L as compared to UAN. See section entitled Mixing/Spraying for AMS. Three quarts of liquid AMS (8-0-0 analysis) may be substituted for granular AMS.

Do not add nitrogen (UAN or AMS) solutions to **Basagran 5L** for use on rice, peanuts, or mint. Do not use brass or aluminum nozzles when spraying **Basagran 5L** plus nitrogen solution.

Rate of UAN Solution:

Ground application: 2.5-5% v/v (1 gallon/Acre maximum) **Air application:** 2.5-5% v/v (1/2 gallon/Acre maximum)

Rate of AMS solution: Ground Application: 2.5 lbs/A Air application: AMS solution is not recommended due to potential precipitation problems in reduced water volumes. AMS can be used provided a minimum of 10 gpa of solution is applied. Use only if the source of AMS has been demonstrated to be successful in local experience.

Mixing/Spraying

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Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add **Basagran 5L**; allow to mix thoroughly. Add oil concentrate and/or nitrogen solution and remaining volume of water. Maintain constant agitation during application.

Jar Test for Estimating Suitability of Mixes:

- 1. Water supply: Use only water from intended source and at the source temperature.
- 2. Amount of water in jar: Ground application - for 20 gallons/A spray volume, use 1.06 quarts (1 liter or 1000 ml) of water.

Air application: for 5 gallons/A spray volume, use 1 cup (250 ml) of water, or for 10 gallons/A spray volume, use 1 pint (500 ml) of water. For other spray volumes, adjust proportionately to above. Add 1/s the volume of water to the jar.

- 3. Amount of herbicide(s), oil concentrate and/or UAN to add: Add herbicides, oil concentrate and/or UAN at the rate of 1 teaspoon (5 ml) for each 0.8 pint of recommended label rate.
- 4. Add components in the following sequence, gently mixing between component additions:
- a) Dry products (dry flowables and wettable powders) when applicable.
- b) Basagran 5L herbicide, and when applicable, other water miscible products (such as Blazer), liquid fertilizers and/or liquid flowables.
- c) Oil concentrate.
- d) Poast[®] herbicide or other emulsifiable concentrates when applicable.
- e) Add remaining volume of water. 5. Cap jar, invert 10 cycles, let
- stand for 15 minutes, evaluate.
- Evaluation: An ideal tank mix combination will be uniform; thus, the suitability of the mix is questionable if any of the following are observed:

a- Free oil at the surface - film or globules.

b- Flocculation - fine particles which may be suspended in the liquid or found as precipitated layer at the bottom of the jar. c- Clabbering - thickening texture (coagulated) resembling yogurt or a curd-like texture as with cottage cheese.

Ammonium Sulfate (AMS)

AMS may be added in place of UAN to the spray solution. Use AMS at 2.5 lbs./A. Use only fine feed grade or spray grade AMS. Fill sprayer tank two-thirds full with clean water. Begin agitation, slowly add required amount of AMS to the tank. Adding too quickly may clog outlet lines. Allow AMS crystals to dissolve completely.

Complete mixing procedures by addition of **Basagran 5L** and remaining water. Maintain agitation during application to ensure complete mixing. Rinse equipment after use to minimize corrosive activity of AMS.

To determine AMS quality, perform a jar test adding ¹/3 cup of AMS to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve AMS in water and filter prior to spray tank addition.

Restrictions and Limitations Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season.

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Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year.

Do not apply **Basagran 5L** to crops that have been subject to stress conditions such as hail damage, flooding, drought, injury from other herbicides, or widely fluctuating temperatures, as crop injury may result.

Do not apply **Basagran 5L** to crops injured (leaf phytotoxicity and/or plant stunting) by any prior herbicide applications. This injury may be enhanced and/or prolonged.

Do not apply **Basagran 5L** during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Clean sprayer thoroughly prior to application of **Basagran 5L**, particularly if a herbicide was used which has the potential to injure the cropto be sprayed with **Basagran 5L**.

Do not apply this product through any type of irrigation system.

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 contaminate water when disposing of equipment wash waters or rinsate.

Rainfall or overhead irrigation soon after application may decrease the effectiveness of **Basagran 5L**.

BASF does not recommend the use of **Basagran 5L** tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Reduced efficacy, physica incompatibility or crop injury may result from mixing **Basagran 5L** with other pesticides, additives or fertilizers. Local agricultural authorities may be a source of information when using other than BASF recommended combinations.

Directions For Use - specific crops - see following pages.

Soybeans Directions For Use Apply Basagran[®] 5L herbicide

when weeds are small and actively growing and before weeds reach the maximum size listed in **Table 1**. Such applications generally correspond to the soybean growth stages of unifoliate to two expanded trifoliate leaves. Soybeans are tolerant to **Basagran 5L** at all stages of growth. Slight yellowing, bronzing, speckling, or burning of leaves may occur under certain conditions. Soybean plants generally outgrow this condition within 10 days.

Mixing with Insecticides

A need may arise that requires postemergence or foliar control of certain insects in the soybean crop. It is possible to tank mix an insecticide with Basagran 5L if the proper application timing of the insecticide coincides with the application timing of Basagran 5L. Insecticides that may be used are Furadan[®] 4F, Pounce[®], Pydrin[®], dimethoate, and Lorsban® 4E. Do not tank mix Basagran 5L with malathion or Sevin[®]. The tank mix addition of an insecticide to Basagran 5L may increase the potential for crop injury. Consult the respective labels for Directions For Use and Restrictions and Limitations of each product. The most restrictive labeling applies in tank mixes. The exact conditions under which an insecticide is tank mixed with Basagran 5L may vary and these conditions may reduce good mixing quality.

It is recommended that before a tank mix of **Basagran 5L** plus an insecticide is mixed, a jar test should be conducted following the directions in the section titled **Jar Test for Estimating Suitability of Mixes.**

Restrictions and Limitations (partial list)

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season. Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year. Do not graze or cut treated soybean fields for forage or hay, for at least 30 days after the last treatment of **Basagran 5L**.

Table 1				
Application	Rates	for	Soybeans	

	Application Rates for Weed Growth Stages					
Weeds Controlled	0.8 pt. per Acre*		1.2 pts. per Acre		1.6 pts. per Acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Balloonvine	j	_	2-4	2"	4-6	3"
Beggarticks	l	_	Up to 6	6"	6-8	8"
Bristly Starbur		_	Up to 4	2"	4-6	3"
Cocklebur	2-4	4"	2-6	6"	6-10	10"
Coffee Senna	·				Up to 1** pinnate	2"
Common Lambsquarters	Up to 4**	1"	Up to 6**	11/2"	4-8**	2"
Common Purslane	·		Úpto4	1"	4-6	2"
Common Ragweed		—	—	_	4-6**	3"
Dayflower			Up to 6	4"	6-10	8"
Devilsclaw			·		Up to 6**	3"
Galinsoga	(_	_			Cotyledon to 6**	2"
Giant Ragweed [®]	·	—	_		Up to 4	6"
Jimsonweed	Up to 4	4"	Upto6	6"	6-10	10"
Ladysthumb	Up to 4	4″	Upto6	6"	6-10	10"
Marshelder	·		Up to 4	2"	Up to 8	4"
Pennsylvania Smartweed	Up to 4	4"	Upto6	6"	6-10	10″
Prickly Sida or Teaweed			Up to 6	3″	6-8	4"
Redweed			4-6	6"	6-10	8"
Sesbania					3-5**	3"
Shepherdspurse			Up to 6	4"	6-10	8"
Spurred Anoda			Up to 6	3"	6-8	4"
Tropic Croton			Up to 2	2"	2-4	4"
Velvetleaf ^q	Up to 4	2"	Up to 6	5"	4-6	6"
Venice Mallow	Upto4	2"	Up to 6	2"	6-10	4"
Wild Buckwheat	i — (Up to 4	3″	4-6	5"
Wild Mustard	Up to 4	2″	Up to 6	4"	6-10	8"
Wild Poinsettia	i <u> </u>		2-4**	4"	4-8**	6"
Wild Sunflower	Up to 2	3"	Up to 4	5"	4-6	8"

For additional weeds, see Special Directions section following.

* Apply before weeds reach the maximum size or leaf stage indicated. If regrowth develops, make a second application of 0.8 pint 7-14 days after the first application. (This rate not applicable in California.)

** Add oil concentrate at a rate (concentration) of 1.25% v/v (2 pints per acre maximum). See Addition of Nitrogen Solution (UAN or AMS) for Velvetleaf and Other Weeds.

* Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

If a second flush occurs, re-treat field according to this rate table.

Do not treat rosette before seed stalk appears.

^a Add nitrogen solution according to the section Addition of Nitrogen Solution (see page 4) or add oil concentrate according to the section Addition of Oil Concentrate.

Annual Morningglories

South: (AL., AR, FL, GA, LA, MS, NC, OK. SC, TN, TX, and VA)

To control smallflower and cypressvine morningglories apply a single application of either 1.2 pts. of **Basagran 5L** per acre to plants not larger than 4 true leaves and 4 inches in height, or 1.6 pts. of **Basagran 5L** per acre to plants not larger than 6 true leaves and 6 inches in height. Add oil concentrate to the spray solution with **Basagran 5L** (see section **Addition of Nitrogen Solution (UAN or AMS for Velvetleaf and Other Weeds**).

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To control palmleaf, pitted, tall (common: entireleaf, purple moonflower and ivyleaf momingglories, apply 1.2 pts. of **Basagran 5L** per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence). Make a second application at the same rate 5-14 days later.

All states other than the South (see above):

Apply 1.6-2.4 pts. of **Basagran 5L** per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of **Basagran 5L**/water (see section **Addition of Oil Concentrate**).

Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that **Basagran 5L** is applied to morningglories before they exceed the maximum size recommended on this label.

Canada Thistle

Apply 1.6 pts. of **Basagran 5L** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran 5L** (see section **Addition of Oil Concentrate**).

Yellow Nutsedge

Two applications are preferred for best results. Apply 1.2-1.6 pts. of **Basagran 5L** per acre when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran 5L** (see section **Addition of Oil Concentrate**).

Field and Hedge Bindweed in KY, IL, IN, MI, and OH only

For suppression of field and hedge bindweed, apply 1.6-2.4 pints of **Basagran 5L** per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of **Basagran 5L**/water (see section **Addition of Oil Concentrate**).

Late Cocklebur Rescue Treatment

This treatment is intended to provide only partial control of cocklebur in the event early postemergence treatments were not made. Very thorough spray coverage is essential. Apply a single application of 1.6-2.4 pts. of **Basagran 5L** per acre to plants up to 24 inches tall, or for best results, apply 1.2 pts. of **Basagran 5L** per acre to plants up to 24 inches tall, repeat 10-14 days later.

Late Velvetleaf Rescue Treatment

Partial velvetleaf control can be obtained in the event early postemergence treatments were not made. Thorough coverage is essential. Apply a single application of 2.4 pts. per acre of **Basagran 5L** plus 1 quart of oil concentrate and 1 gallon of UAN solution to velvetleaf plants up to 12". For best results, apply 1.2 pts. per acre of **Basagran 5L** plus 1.25% v/v of oil concentrate plus 1 gallon of UAN solution (AMS may be substituted) followed in 4-7 days with the same treatment.

Soybeans Tank Mixes with Basagran[®] 5L herbicide Use the following chart as a guide to determine broadleaf weeds and grasses controlled by Basagran 5L alone and various tank mixes with Basagran 5L.

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Basagran 5L Tank Mixes* — Guide to Additional Weed Cont	rol
Basagran 5L Controls Weeds Listed in Table 1. Additional Weed Control by Tank Mixing with Basagran 5L	Refer to Table Listed Below for Rate, Weed Size and Additive Information
Blazer [®] Herbicide	
Common Ragweed (larger growth stage) Tall Waterhemp Redroot Pigweed Smooth Pigweed Black Nightshade Sesbania Morningglories Crotalaria	Basagran 5L + Blazer Tables 2, 3, and 4, Pages 9-10
Pinnacle [®] Herbicide	
Redroot Pigweed Smooth Pigweed Tall Waterhemp Wild Sunflower	Basagran 5L + Pinnacle Table 11, Page 18
Pursuit [®] Herbicide	
Barnyardgrass Foxtails Crabgrass, Large Crabgrass, Smooth Johnsongrass, Seedling Shattercane	Basagran 5L + Pursuit Table 12, Page 19
Reflex [®] Herbicide	
Common Ragweed Tall Waterhemp Redroot Pigweed Smooth Pigweed Black Nightshade Sesbania Morningglories Crotalaria	Basagran 5L + Reflex Page 11
2,4-DB herbicide	
Morningglories (Ivyleaf, Tall, Entireleaf) Vines up to 6" long Scepter ^e Herbicide	Basagran 5L + 2,4-DB Table 5, Page 12
Redroot Pigweed Smooth Pigweed Tall Waterhemp Wild Sunflower	Basagran 5L + Scepter Table 6, Page 13
Poast ^e Herbicide	
Barnyardgrass Broadleaf Signalgrass Fall Panicum Giant Foxtail Green Foxtail Goosegrass Yellow Foxtail Junglerice Bed Sprangleton	Basagran 5L + Poast Table 7, Page 14
Seedling Johnsongrass Texas Panicum Witchgrass Woolly Cupgrass Goosegrass Large Crabgrass Smooth Crabgrass Wild Proso Millet	
Poast + Blazer Herbicides	
See weeds listed above for Poast and Blazer .	Basagran 5L + Poast + Blazer Table 8, Pages 15-16
Early Spot Spray	Basagran 5L + Poast + Blazer Table 9, Page 16

* Tank mixes not applicable in California.

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Basagran 5L and Blazer Tank Mixes* — Soybeans

General Information, Application Information, Restrictions and Limitations for Tables 2, 3 and 4

General Information

For postemergence broadleaf weed control, refer to **Tables 2, 3,** and **4** as determined by weed problems and geographical area.

Table 2 - Northern States Basagran[•] 5L herbicide: 0.8-1.6 pts./A

Blazer® herbicide: ¹/2 pint/A Additional weeds controlled: pigweeds (redroot and smooth) and tall waterhemp

Table 3 - All states (except California)
Basagran 5L: 0.8-1.6 pts./A
Blazer: 1 pint/A
Additional weeds controlled: listed in Table 3.

Table 4 - Southern StatesBasagran 5L: 0.8 pt./ABlazer: 1 pint/AWeeds controlled: listed in Table4.

Time of Application

The timing of all applications of **Basagran 5L** should be in accordance with the weed growth stages indicated in **Table 1** and when weeds are actively growing. With **Blazer** in the tank mix, the timing should be in accordance with the weed growth stages indicated in **Tables 2, 3**, and **4** and when weeds are actively growing. If weeds are not at the correct stage of growth for treatment at the same time, then separate applications should be made. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Water Volume and Spray Pressure

Ground equipment: Refer to the Directions For Use - All Crops. Air equipment: Use a minimum of 10 gallons of total spray solution per acre.

Mixing

Refer to Directions For Use - All Crops.

Coverage

Thorough coverage of actively growing weeds is essential. Large crop-and-weed leaf canopies shelter smaller weeds and can prevent adequate spray coverage. Soybeans are tolerant to the above tank mixes; however, under certain conditions soybeans may burn, crinkle, and bronze.

Oil Concentrate + Nitrogen Solution

A nonphytotoxic oil concentrate (as referred to above) plus a nitrogen solution (UAN or AMS) can be added to the spray tank. This combination is recommended for use in areas of low humidity and moderate temperatures when lambsquarters, ragweed, and velvetleaf are to be controlled. Excessive crop injury can occur " with this combination in high humidity and high temperature regions. Do not exceed recommended rates and adjust additive rate proportionately to gallonage applied.

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Ground Application: Oil concentrate** 0.25° v.v (2 pints/100 gallon spray solution) plus

Nitrogen solution: UAN - 2.5% v/v (2.5 gallons/100 gallons spray solution). AMS - 6.25 lbs/100 gallons spray solution (1.25 lbs/A 20 gallons/A).

Restrictions and Limitations (partial list)

Read and follow **Restrictions and Limitations** on the **Basagran 5L** and **Blazer** labels. The most restrictive labeling applies to tank mixes.

Do not apply **Blazer** within 50 days of harvest (see **Blazer** label), Do not graze treated soybean fields and do not feed treated soybean forage, ensilage or hay to livestock (see **Blazer** label).

Do not include oil concentrate with nitrogen solutions (UAN or AMS) when tank mixing **Basagran 5L** with **Blazer**.

* Tank mixes not applicable in California.

** A nonionic surfactant can be substituted for oil concentrate./

Table 2	
Northern States	
Basagran 5L + Blazer Tank Mix Additional Weed Control - Soybean	s
Rate and Time of Application	

Product	Product Rate	Weeds Controlled/Weed Size*			Additive Rate
Basagran 5L	0.8-1.6 pts./A according to weed species and size (See Table 1 page 6)	Appl according	y rate of Basagra g to weed sizes in	n 5L Table 1.	Oil concentrate 1.25% v/v (2 pints/A max.) or Nitrogen Solution*
pius	pida		Leaf Stage	Max. Height	if velvetleaf is the primary weed
Blazer	¹ /2 pint/A	Pigweeds (Redroot and Smooth)	Up to 4	<2"	target and lambsquarters or common ragweed are not a problem.
		Tall Waterhemp	Up to 4	<2"	

* See Table 4 for control of additional weeds.

^a Northern States, for the purpose of this table, are the following states and those to the north thereof: MD, WV, OH, IN, IL, KS and MO (except southeastern MO, Jefferson county and south).

See section Addition of Nitrogen Solution, page 4.

^e Apply tank mix early, when weeds are small and actively growing before weeds reach maximum height listed.

Table 3 All States* Basagran 5L + Blazer Tank Mix Additional Weed Control - Soybeans **Rate and Time of Application**

Product	Product Rate	Weeds Controlled/Weed Size			Additive Rate
Basagran 5L	0.8-1.6 pts./A according to weed species and size (See Table 1 page 6)				Oil concentrate** 1.25% v/v (2 pts./A max.)
plus	plus		T		or
			Leaf Stage	Max. Height	nitrogen solution*
Blazer	1 pint/A	Black Nightshade Common Ragweed ¹ Crotalaria Giant Ragweed ¹ Morningglories ^{***} Redroot Pigweed Sesbania Smooth Pigweed Tall Waterhemp	Up to 2 Up to 10 Up to 6 Up to 10 Up to 2 Up to 6 Up to 4 pinnate Up to 6 Up to 6	<2" 6" 6" 2" <4" <4" <4"	(2.3-5% V/V) if velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem.

except in California.

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Add oil concentrate to the tank mix according to recommendations in Table 1, Application Rate Table for Soybeans, page 6.

For consistent control of common (tall) morningglory, use the 1.2 pints rate of **Basagran 5L**. See section **Addition of Nitrogen Solution**, page 4.

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Table 4 Southern States* Basagran 5L + Blazer Tank Mix Additional Weed Control --- Soybeans **Rate and Time of Application**

Product	Product Rate	Weeds Controlled	Leaf Stage	Weed Size Max. Height	Additive Rate
Basagran 5L	0.8 pt./A	Black Nightshade	Up to 2	<2"	
+	+	Bristly Starbur	4-6	3"	
Blazer	1 pint/A	Carpetweed		2"	
		Cocklebur	2-6	6"	
		Common Lambsquarters*	4-6	2"	
		Common Ragweed	4-6	3*	
		Crotalaria	Up to 6	6"	
		Giant Ragweed	Up to 4	6"	
l -		Jimsonweed	Up to 6	6"	
		Ladysthumb	Up to 6	6	
1] Morningglories ^c	Up to 2	2	Oil concentrate 1 25%
		Pennsylvania Smartweed	Up to 6	6	
		Prickly Sida (Teaweed)*	Up to 4	2	(2 pints/A maximum)
		Redroot Pigweed	Uptob	<4	
		Redweed	2-4	3	
		Sesbania	Up to 4	6	
Ì		Smooth Pigweed	Up to 6	<4	
		Spurred Anoda"	Up to 4	2	
		I all Waternemp	Up to 6	<4	
		Velvetlear	Up to 4	2	
		Venice Mallow	Up to 6	2	
		I ropic Croton	2	<2	
			Z Alla ta C	<2	
L		WIID MUSTARD	Up to b	4	
 For consistent Southern State 	control, increase ra	ate of Basagran 5L to 1.2 pts of this table are AL, AR, FL, G	 A. KY. LA. MS. N	IC. OK. SC. TN. T	X. VA and Southeastern

MO (Jefferson County and south). Do not treat earlier than the 2-leaf stage and do not count cotyledon leaves. Þ

÷ For common (tall) morningglory, increase rate of Basagran 5L to 1.2 pts. Basagran 5L + Reflex Tank Mix -- Soybeans

General Information, Application Information, Restrictions and Limitations

U General Information

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A tank mix of **Basagran[®] 5L herbicide** and **Reflex[®] herbicide** may be applied for postemergence control of the major troublesome broadleat weed species in soybeans.

Basagran 5L and **Reflex** are selective postemergence herbicides which control annual broadleaf weeds. Apply the tank mix to actively growing weeds. Refer to this label and the **Reflex** labels for defined environmental conditions, and recommended rates. Weed sizes and growth stages for susceptible weed species are described in these labels. The most restrictive labeling applies to tank mixes.

Water Volume and Spray Pressure Ground Application: Refer to

Directions For Use - All Crops. Mixing

Refer to Directions For Use - All Crops.

Rate

Basagran 5L may be used in the tank mixes at rates of 0.8-1.6 pts./A in each of the regions listed for **Reflex**. Refer to tank mix table below for the recommended use rate of **Reflex** in Regions 1, 2, 3, 4 and 5. Geographic description of these regions is included in the **Reflex** label.

Rates of Additives

Use 1-2 pints (1.25% v/v) oil con-

centrate. If velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use either 0.5-1 galion UAN (2.5-5% v/v) or 2.5 pounds of ammonium sulfate. In areas of low humidity and moderate temperatures, 0.25% v/v oil concentrate can be combined with 2.5% v/v UAN.

Oil Concentrate + Nitrogen Solution

A nonphytotoxic oil concentrate (as referred to above) plus a nitrogen solution (UAN or AMS) can be added to the spray tank. This combination is recommended for use in areas of low humidity and moderate temperatures when lambsquarters, ragweed, and velvetleaf are to be controlled. Excessive crop injury can occur with this combination in high humidity and high temperature regions. Do not exceed recommended rates and adjust additive rate proportionately to gallonage applied.

Restrictions and Limitations (Partial List)

Always read and follow the restrictions and limitations for each product. The most restrictive labeling applies in tank mixes.

Reflex can be applied only in the states or parts of states included in Regions 1, 2, 3, 4 and 5 as described on the **Reflex** label.

Do not apply Reflex to any field in Regions 2, 3, 4 and 5 more than once every two years.

A maximum of 1.5 pints (0.375 lb. ai) per acre of **Reflex** may be applied per growing season for soybeans in Region 1. A maximum of 1.5 pints (0.375 lb. ai) per acre of **Reflex** may be applied in alternate years in Region 2.

A maximum of 1.25 pints (0.313 lb. ai) per acre may be applied in alternate years in Region 3.

A maximum of 1.0 pint (0.25 lb. ai) per acre may be applied in alternate years in Region 4.

A maximum of 0.75 pints (0.1875 / lb. ai) per acre may be applied in Region 5.

Refer to **Reflex** label for recommendations concerning crop rotation.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season on soybeans.

Do not make more than one application of the Basagran 5L/Reflex tank mix in a single season.

Use of **Basagran 5L + Reflex** tank mix during periods of dry weather when crop and weeds are under stress and not actively growing may result in reduced weed control.

Do not apply to drought stressed weeds or weeds which have gone through an extended dry period.

In the event of a crop loss due to weather conditions, only soybeans can be replanted (see **Reflex** label).

Avoid drift to all other crops and nontarget areas. Crops other than soybeans may be severely injured by drift.

Do not graze treated areas or harvest for forage or hay (see **Reflex** label).

* A nonionic surfactant can be substituted for oil concentrate.

Application Rates for Basagran 5L and Reflex in Tank Mix

Region*	Basagran 5L**	Reflex **	Oil Concentrate	Nitrogen Solution	Oil Concentrate Plus Nitrogen Solution***
1	0.8-1.6 pts./A	1-1.5 pts./A	1.25% v/v	2.5-5% v/v	0.25% v/v + 5% v/v
2	0.8-1.6 pts./A	1-1.5 pts./A	1.25% v/v	2.5-5% v/v	0.25% v/v + 5% v/v
3	0.8-1.6 pts./A	1-1.25 pts./A	1.25% v/v	2.5-5% v/v	0.25% v/v + 5% v/v
4	0.8-1.6 pts./A	1 pint/A 🔥	∠ 1.25% v/v	2.5-5% v/v	0.25% v/v + 5% v/v
5	0.8-1.6 pts./A	0.75 pint/A	- 1.25% v/v	2.5-5% v/v	0.25% v/v + 5% v/v

* See the **Reflex** label for states or parts of states included in regions.

** Consult labels for each product for specific weeds controlled.

*** Recommended for use in areas of low humidity and moderate temperatures when lambsquarters, ragweed and velvetleaf are to be controlled.

General Information, Application Information, Restrictions and Limitations

General Information

These directions are intended to provide the user of **Basagran[•] 5L herbicide** with instructions for tank mixing with 2,4-DB (such as **Butyrac[•] 200** or **Butoxone[•] 200** herbicides) to control entireleaf, tall (common), and ivyleaf morningglories. Weeds must be actively growing and at the recommended growth stages. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Water Volume and Spray Pressure

Refer to the **Directions For Use -**All Crops.

Mixing Refer to the Directions For Use -All Crops.

Coverage

Refer to the Directions For Use -All Crops.

Restrictions and Limitations (partial list)

Read and follow the **Restrictions** and Limitations on the labels for **Basagran 5L** and 2,4-DB. The most restrictive labeling applies in tank mixes. Use only amine formulations of 2,4-DB.

Do not apply more than 1 application of tank mix per season.

Do not apply within 60 days of harvest (see label for 2,4-DB).

The use of this tank mix will cause soybean foliage injury (such as burning, bronzing or crinkling) and may reduce yields.

Do not use this tank mix on soybeans that show symptoms of disease such as phytophthora root rot (see label for 2,4-DB).

*Tank mix not applicable in California.

able 5	
Basagran 5L + 2,4-DB Tank Mix Additional Weed Control — Soybeans	
Rate and Time of Application	

Product	Product Rate	Weeds Controlled/Weed Size		Additive Rate
Basagran 5L	1.2-1.6 pts./A according to weed species and size (See Table 1 page 6)	Apply rate according to v	e of Basagran 5L weed sizes in Table 1 .	Nitrogen Solution
plus	plus		[1.25-2.5% v/v
2,4-DB (amine formulation)	2 fl. oz./A of Butoxone 200 or Butyrac 200 (0.03 pound ae*/A.)	Morningglories lvyleaf Tall (Common) Entireleaf		(1 quart/A maximum)
* Acid equivalent		<u> </u>	<u></u>	

Basagran 5L + Scepter Tank Mix* — Soybeans (Northern States Only)		1
General Information, Application Information, Restrictions and Limitations		Restrictions and Limitations (partial list) Read and follow the Restrictions and Limitations on the labels for
General Information	Water Volume and Spray	Basagran 5L and Scepter. The
The tank mix of Basagran [®] 5L her-	Pressure	most restrictive labeling applies in
bicide plus Scepter® herbicide	Refer to Directions For Use - All	tank mixes.
will control pigweeds in addition to	Crops.	Observe all geographical and rota-
those weeds controlled by		tional crop restrictions on the label
Basagran 5L. Weeds must be	Mixing/Coverage	for Scepter® or Scepter 70 DG.
actively growing and at the recom-	Refer to Directions For Use - All	
mended growth stages.	Crops.	*Tank mix not applicable in California.

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Table 6 Basagran 5L + Scepter Tank Mix Additional Weed Control — Soybeans Northern States* Rate and Time of Application

Product	Product Rate	Weeds C	Additive Rate				
Basagran 5L	0.8-1.6 pts./A according to weed species and size (See Table 1 page 6)	Apply r according t	Oil concentrate 1.25% v/v (2 pints/A maximum)				
plus —	plus	· · · · · · · · · · · · · · · · · · ·	Leaf Stage	Max. Height	Nitrogen Solution		
Scepter or Scepter 70 DG	¹ /3 pint/A or 1.4 oz./A	Redroot Pigweed Smooth Pigweed Tall Waterhemp Wild Sunflower	Up to 6 Up to 6 Up to 6 Up to 6 Up to 6	3" 3" 3" 3"	2.5-5% v/v (1 gałlon/A maximum)		
 Northern States, for the purpose of this table are the following states: IA, southern MI, southern WI, PA, NJ, DE, NE, KS, MD, WV, OH, IN, IL, and MO (except southeastern: Jefferson County and south). See label for Scepter or Scepter 70 DG for list of approved states and parts of states. 							

Basagran 5L + Poast Tank Mix* --- Soybeans

General Information, Application Information, Restrictions and Limitations

General Information

Basagran[®] 5L and **Poast[®] herbicides** may be tank mixed for postemergence control of the broadleaf and grass weeds shown in this table. Weeds must be actively growing and at the recommended growth stages. Soybeans are tolerant to **Basagran 5L** and **Poast** at all stages of growth.

Separate applications should be made if:

- a) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- b) grasses to be controlled include rhizome johnsongrass, quackgrass, bermudagrass, wirestem muhly, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.

See Table 10, Separate Applications of Basagran 5L, page 17.

Water Volume and Spray Pressure

Ground equipment: Use 10-20 gallons of water per broadcast acre and 40-60 psi pressure (measured at the boom, not at the pump or in the line). Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood, whirl chamber or controlled droplet applicator nozzles. **Air equipment:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure.

Additives

At the low rate of **Poast** (1 pt./A) the additive **Dash* HC spray adjuvant** plus UAN (or ammonium sulfate) must be used. For control of the additional grasses listed in **Table 7**, use the higher rate of **Poast** (1¹/2 pts./A) and either **Dash HC** or oil concentrate. To enhance weed control UAN (or ammonium sulfate) may also be added.

Mixing/Coverage Refer to Directions For Use - All Crops.

Restrictions and Limitations (partial list)

Read and follow the restrictions and limitations on the labels for **Basagran 5L** and **Poast**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 75 days of harvest (see label for **Poast**).

Do not graze treated soybean fields and do not feed treated soybean forage (green, succulent) or ensilage to livestock. Treated soybean hay may be fed (see label for **Poast**).

*Tank mix not applicable in California.

Table 7
Basagran 5L + Poast Tank Mix Additional Weed Control — Soybeans
Rate and Time of Application

Product	Rate	Weeds Controlled/Weed Size		Additive	e Rate	/Acre
	0.8-1.6 pts./A	Apply Basagran 5L according to weed sizes in Table 1 .		Dash HC or Oil Concentrate	Nitrogen Solution	
Basagran 5L	species and size (See Table 1 page 6)					
pius	plus	Annual Grasse	S*			
Poast	1 pint/A	Fall Panicum Giant Foxtail Green Foxtail Volunteer Corn Wild Proso Millet** Witchgrass Woolly Cupgrass	4-10" 3-8" 3-8" 1-12" 4-10" 3-8" 3-8"	Dash HC (1 pt.) 1	plus or –	2.5-5% v/v
Poast	1 ¹ /2 pts./A***	Barnyardgrass Broadleaf Signalgrass Crabgrass, Large , Smooth Goosegrass Junglerice Red Sprangletop Seedling Johnsongrass Texas Panicum Yellow Foxtail	3-8" 3-8" 3-6" 3-6" 3-8" 3-8" 3-8" 3-8" 3-8" 3-8"	Dash HC (1 pt.) or Oil concentrate (1.25% v/v)	plus	2.5-5% v/v

 Tank mix does not control rhizome johnsongrass, Bermudagrass, wirestem muhly, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.

** For control of wild proso millet only, include Poast in the tank mix at 3/4 pint/A.

*** The 11/2 pts./A rate of Poast will also control all grasses listed at the 1 pint/A rate.

Basagran 5L + Blazer + Poast Tank Mix* — Soybeans

General Information, Application Information, Restrictions and Limitations

General Information Basagran[®] 5L, Poast[®] and Blazer[®] herbicides may be tank mixed for postemergence control of broadleaf and grass weeds. See Table 8. Weeds must be actively growing and at the recommended growth stages.

Separate applications should be made if:

- a) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- b) grasses to be controlled include rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.

See Table 10, Soybeans or Peanuts, Separate Applications of Basagran 5L or Basagran 5L + Blazer Tank Mix Preceded or followed by Poast, page 17.

Water Volume and Spray Pressure

Ground equipment: Use 10-20 gallons of water per broadcast acre and 40-60 psi pressure (measured at the boom, not at the pump or in the line). Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood, whirl chamber or controlled droplet applicator (CDA) nozzles. **Air equipment:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure.

Mixing/Coverage Refer to Directions For Use - All Crops.

Early Spot Spray

When using knapsack sprayers or high volume equipment utilizing handguns (or other suitable nozzle arrangements), prepare spray solution according to **Table 9**. Apply to foliage on a spray-to-wet basis. Complete coverage of all foliage is essential for control. Control of perennial grassy weeds may be limited to burnoff of exposed foliage. Observe all safety precautions when spot spraying **Basagran 5L** + **Blazer** + **Poast** tank mix.

Restrictions and Limitations (partial list)

Read and follow the restrictions and limitations on the labels for Basagran 5L, Poast and Blazer.

The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 75 days of harvest. (See label for **Poast**).

Do not graze treated soybean fields and do not feed treated soybean forage, ensilage or hay to livestock (see labels for **Blazer** and **Poast**). Do not include nitrogen solution

when tank mixing.

*Tank mix not applicable in California.

Table 8 Basagran 5L + Blazer + Poast Tank Mix --- Additional Weed Control --- Soybeans or Peanuts Rate and Time of Application

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Product	Product Rate	Weeds	Additive Rate				
Basagran 5L	0.8-1.6 pts./A according to weed species and size (See Table 1 page 6)	A according					
plus	plus		0.07	Υ·······			
Poast*	1 ¹ /2 pts./A	Barnyardgrass Broadleaf Signalgrass Fall Panicum Giant Foxtail Goosegrass Green Foxtail Junglerice Large Crabgrass Red Sprangletop	3-8" 3-8" 3-8" 3-6" 3-6" 3-8" 3-6" 3-8"	Seedling Johnsongrass3-8"Smooth Crabgrass3-6"Texas Panicum4-10"Wild Proso Millet**3-8"Witchgrass3-8"Woolly Cupgrass3-8"Yellow Foxtail3-8"			Oil concentrate 1.25% v/v (2 pints/A max.)
— prus —	pius		L	Leaf Stage	Max. I	leight	
Blazer	0.5-1.0 pint/A Use 0.5 pint for pig- weed (up to 2") only: 1 pint if other weeds at right are present.	Black Nightshade Common Ragweed Crotalaria Morningglories*** Redroot Pigweed Sesbania Smooth Pigweed Tall Waterhemp		Up to 6 Up to 10 Up to 6 Up to 4 Up to 6 Up to 4 pinnate Up to 6 Up to 6	2" 6" 6" 4" <4" 6" <4" <4"		
 Tank mix cane, vo For cont For cons 	c does not control the lunteer cereals, wild rol of wild proso mille sistent control of corr	izome johnsongrass, quad oats, red rice, or itchgrass et only, include Poast in ta omon (tall) momingglory, u	ckgrass, s. ank mix a ise the 1	Bermudagrass, w at ³ /4 pint per acre .2 pts. rate of Bas	irestem agran 5	muhly, vo	olunteer corn, shatter-

Table 9Basagran 5L + Blazer + Poast Tank MixSoybeans or PeanutsSpot Treatment Application Table

		Concentration in Spray Solution						
	Basagran 5L	Blazer	Poast	Oil Concentrate				
See annual grasses and broadleaves listed in Table 8 .	1%	1%	1%	1%				
Desired Spray	Amount to be Added to Obtain a 1% Solution							
Solution Volume	Poas	st	Oil Concentrate					
1 Gallon	11/4 FL (Oz.*	11/4 Fl. Oz.					
25 Gallons	1 Qt		1 Qt.					
50 Gallons	2 Qts.		2 Qts.					
100 Gallons	4 Qts.		4 Qts.					
* 2 Tablespoons = 1 F	Fl. Oz.							

Soybeans or Peanuts - Separate Applications of Basagran 5L or Basagran 5L + Blazer Tank Mix* Preceded or Followed by Poast

Applications of **Basagran[®] 5L her**bicide or **Basagran 5L** tank mixed with **Blazer[®] herbicide** can be preceded or followed by **Poast[®] herbi**cide to obtain broad spectrum control of weeds listed on the respective product labels (refer to this label and the labels for **Poast**, and

Basagran 5L + Blazer tank mix). Also refer to these product labels for timing, rate and other information for ground and aerial applications.

For best results when making separate applications, a minimum period of time is recommended between applications, depending upon their order, according to **Table 10**.

*Tank mix not applicable in California.

Basagran 5L + Pinnacle Tank Mix* — Soybeans General Information, Application Information, Restrictions and Limitations

General Information

The tank mix of **Basagran 5L herbicide** plus **Pinnacle® herbicide** will control certain weeds not controlled by **Basagran 5L** or **Pinnacle** alone (see **Table 11**). The tank mix is effective mainly through contact action. Therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Time and Rate of Application

The rates of application and weed sizes for the use of this tank mix are given in the Table 11. Applications of this tank mix made to weeds that are in the cotyledon stage, larger than the size in Table 11, or to weeds under stress, may result in unsatisfactory control. Soybeans are tolerant to the tank mix of Basagran 5L + Pinnacle after the first trifoliate soybean leaf has fully expanded; however, under conditions of high temperature or humidity some leaf-bronzing or leaf-speckling of soybean foliage may occur. Soybean plants will generally outgrow this condition within 10-14 days.

Table 10Ig /4/Soybeans or PeanutsSeparate Applications of Basagran 5L or Basagran 5L + BlazerTank Mix* Preceded or Followed by Poast

Order of	Minimum Time		
First Product(s) Applied	Second Product(s) Applied	Applications	
Basagran 5L	Poast	24 hours	
Basagran 5L + Blazer	Poast	7 days	
Poast	Basagran 5L or Basagran 5L + Blazer	24 hours	

Water Volume and Spray Pressure

Apply recommended rates of this tank mix as follows:

Ground equipment

Broadcast application: Use 10-20 gallons of water per broadcast acre and 40-60 psi pressure (measured at the boom, not at the pump or in the line. Use standard high pressure flat fan nozzles spaced 20 inches apart. Do not use flood, hollow cone, whirl chamber or controlled droplet applicator (CDA) nozzles.

Band application: For band application, apply proportionately less. Calibrate band applicator to not exceed labeled rate.

Air equipment: Use a minimum of 5 gallons of water per acre. Consult the respective labels for special directions or aerial applications.

Mixing

Refer to Directions For Use - All Crops.

Addition of Additives

Applications of **Basagran 5L** plus **Pinnacle** tank mix must include a nonionic surfactant at the rate (concentration) of 0.125%-0.25% v/v (1-2 pints per 100 gallons of spray solution). USE OF THE HIGHER RATE OF NONIONIC SURFAC-TANT, PARTICULARLY UNDER HOT, HUMID CONDITIONS, MAY INCREASE TEMPORARY CROP INJURY. Use only EPA approved surfactants authorized for use on food crops. Use a nonionic surfactant of at least 80% active ingredient. Under dry conditions or during cool weather, a crop oil concentrate at 0.5% v/v (4 pints per 100 gallons of spray solution) may be used to enhance weed control. Use a petroleum based crop oil concentrate (0.5% v/v) with at least 15% emulsifiers/surfactant. THE USE OF CROP OIL CONCENTRATE MAY **INCREASE TEMPORARY INJURY** TO SOYBEANS. Apply a nitrogen solution for velvetleaf control. Use 2.5-5% v/v (1 gallon/A maximum). Refer to **Directions For Use - All Crops** for more details. The addition of ammonium nitrogen fertilizer does not replace the need for a surfactant. Use the lower rate of nitrogen fertilizer for aerial applications.

*Tank mix not applicable in California.

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Weeds Controlled	Basagran 5L 1.2 pts./A + Pinnacle ¹ /4 oz./A Height (inches)	Basagran 5L 1.2 pts./A + Pinnacle ¹ /8 oz./A Height (inches)	Basagran 5L 0.8 pt./A + Pinnacle ¹ /4 oz./A Height (inches)	Additive Rate*
Cocklebur Common Lambsquarters Jimsonweed Ladysthumb Pennsylvania Smartweed Redroot Pigweed Smooth Pigweed Tall Waterhemp Velvetleaf Venice Mallow Wild Buckwheat Wild Mustard Wild Sunflower	2-6" 2-4" 2-6" 2-6" 2-8" 2-8" 2-8" 2-8" 2-8" 2-5" 2" 2-3" Up to 4"**** 5-6"	2-6" 2-6" 2-6" 2-6" 2-4" 2-4" 2-4" 2-4" 2-4" 2-5" 2" 2-3" Up to 4"···· 2-5"	2-4* 2-4" 2-6" 2-6" 2-8" 2-8" 2-8" 2-8" 2-8" 2-8" 2" 2" 2" 0 Up to 4"*** 2-4"	Nonionic surfactant at 0.125-0.25% v/v (1-2 pints per 100 gallons) + Nitrogen** solution (2.5-5% v/v)

Refer to the section entitled Addition of Additives for specific rates and environmental conditions. Nitrogen solution is referred to as 28%-32% UAN (urea ammonium nitrate) or AMS (ammonium sulfate). Refer to section entitled Addition of Nitrogen Solution.

***Diameter.

Restrictions and Limitations (partial list)

Always read and follow all **Restrictions and Limitations** for each product. The most restrictive labeling applies in tank mixes.

Do not apply within 60 days of harvesting soybeans.

Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.

Do not apply if rain is expected within 1 hour of application or

unsatisfactory weed control may result.

Do not apply through any type of irrigation system.

Do not cultivate within 7 days before or after application.

Do not allow spray from either ground or aerial equipment to drift onto adjacent crops or land, as injury to other plants may occur. Consult the respective labels for details.

Do not apply within 14 days before or after an organophosphate insecticide as severe crop injury may occur.

Thoroughly clean sprayer immediately after spraying. See Pinnacle label for "Sprayer Cleanup".

Do not tank mix with organophosphate insecticides.



Basagran 5L + Pursuit Tank Mix* — Soybeans

General Information, Application Information, Restrictions and Limitations

General Information

The tank mix of **Basagran[•] 5L her**bicide plus **Pursuit[•]** herbicide will control certain weeds not controlled by **Basagran 5L** or **Pursuit** alone (see **Table 12**).

The tank mix is effective mainly through contact action. Therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Time and rate of application

Rates of application and weed sizes for the use of this tank mix are given in **Table 12**.

Applications of this tank mix should be made when weeds are small and actively growing and before weeds reach the maximum size listed in the application table. Such applications should be applied within 14-28 days after planting. Soybeans are tolerant to the tank mix of Basagran 5L plus Pursuit after the first trifoliate soybean leaf has fully expanded, however, under conditions of high temperature or humidity some leafbronzing or leaf speckling of soybean foliage may occur. Soybean plants will generally outgrow this condition within 10-14 days.

Water Volume and Spray Pressure

Apply recommended rates of this tank mix as follows:

Ground equipment only: Use a

minimum 10 gallons of water per acre on a broadcast basis. Use a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line) when using flat fan nozzles and 40-60 psi pressure when using hollow cone nozzles. Do not use flood, whirl chamber, or controlled droplet application (CDA) nozzles.

Air equipment: Use a minimum of 5 gallons of water per acre. Consult the respective labels for special directions or aerial applications.

* Tank mix not applicable in California

Table 12				
Basagran 5L +	Pursuit	Tank	Mix -	Soybeans

Weeds Controlled'	Basagran 5L 0.8 pt/A	Basagran 5L 1.2 pts./A	Basagran 5L 1.2 pts./A	Additive
Weeds Conditied	Pursuit 2 oz./A	Pursuit 2 oz./A	Pursuit 4 oz./A	Rate
Broadleaf Weeds		Maximum Weed Size		
Cocklebur	4"	6"	8"	
Common Lambsquarters	1"	1.5"	2"	
Jerusalem Artichoke	· ·		10"	
Jimsonweed	4"	6"	6"	
Kochia	<1"	<2"	4"	
Marshelder		2"	3"	
Morningglory Entireleaf	· _		2"	
, ivyleaf			2"	
, Pitted	_		2"	
, Smallflower	-	—	3"	
, Tall	—		2"	
Nightshade, Black	<2"	<2"	3"	
, Eastern Black	<2"	<2"	3"	
, Hairy	<2"	<2"	3"	
Pigweed, Palmer	4"	4"	8"	
, Redroot	4"	4"	8"	.
, Smooth	4"	4"	. 8"	Nonionic
Prickly Sida/ Leaweed	_	3″	3"	surractant
Ragweed, Common		<2"	3"	(1 quart per
, Giant	<2"	<2"	3"	100 gais.)
Smartweed, Ladysthumb	4"	6"	6"	pius Nitrogen eet die stat
, Pennsyivania	4~	6″ 07	6	
Valememp, rail	2	2	4" 5 P	2.0*076 V/V
	2	5 0"		12 ground maximum
Wild Ruckwhost	2	2	2	
Wild Mustard	0"	J 3	3	
Wild Sunflower	2"	4 5"	4 5"	
Grasses	5	5	5	
Barnvardorass			2"	
Craborass, Large			ă"	
. Smooth		_	ă"	
Foxtails, Giant		_	ă"	
. Green			Ğ"	
Giant Green				
Robust Purple			3"	
. Robust White		_	j <u>3</u> "	
, Yellow			<u> </u>	
Johnsongrass, Seedling		_	8"	
Red Rice			3"	
Shattercane	4"	4"	8"	

* Refer to respective labels for complete list of weeds controlled.

** Use a nonionic surfactant containing at least 80% active ingredient.

Dash HC⁺ spray adjuvant may be substituted at 1 pt./A for the nonionic surfactant. Dash HC is recommended when weeds have been subjected to heat or moisture stress.

***UAN (Urea Ammonium Nitrate) is generally referred to as 28% to 32% nitrogen solution. AMS (Ammonium Sulfate) may be used at the rate of 17 lbs. per 100 gallons of spray solution.

Restrictions and Limitations for Basagran 5L + Pursuit Tank Mix (partial list)

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.

Do not apply the tank mix of Basagran[®] 5L herbicide plus Pursuit within 85 days of soybean harvest.

Do not apply this tank mix through any type of irrigation system. Do not allow spray to drift onto adjacent crops or land, as injury to

other plants may occur. Consult the respective labels for details.

Do not apply with ground equipment when wind velocity is greater than 10 mph, or when spray may be carried to sensitive crops. Sensitive crops include leaf vegetables, sugar beets, and cotton.

Basagran 5L — Corn, Sorghum **Directions For Use**

Apply Basagran 5L herbicide when weeds are small and actively growing and before weeds reach the maximum size listed in the **Application Rate Table for Com** and Sorghum (Table 13). Such applications generally correspond 5 the crop growth stages of 1-5 eaves. Corn is tolerant to Basagran 5L at all stages of growth. Sorghum is tolerant to Basagran 5L at all stages of growth up to and including early boot stage.

Very slight leaf-speckling of corn and sorghum may occur but plants generally outgrow this condition within 10 days. Com types include field, sweet and popcorn, and corn grown for seed or silage. Sorghum types include grain sorghum and forage sorghum.

Restrictions and Limitations

Do not apply more than a total of 3.2 pints of Basagran 5L per acre in one season in corn or 1.6 pts. of Basagran 5L per acre in one season in sorghum. Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year.

Seed producers should consult the seed company regarding tolerance of seed production inbred lines to Basagran 5L.

Do not apply to sorghum that is heading or blooming. Do not graze treated fields for at

least 12 days after the last treatment with Basagran 5L.

California only: Not recommended for control of yellow nutsedge in corn or sorghum. Not for use on forage sorghum.

Table 13 Application Rates for Corn, Sorghum

	Application Rates for Weed Growth Stages*						
Weeds Controlled	1.2 pts.	Per Acre	1.6 pts. Per Acre				
	Leaf Stage	Max. Height	Leaf Stage	Max. Height			
Beggarticks Bristly Starbur Cocklebur Common Lambsquarters Common Ragweed Dayflower	Up to 6 Up to 4 2-6* 	6" 2" 6" 	6-8 4-6 6-10 4-8** 4-6** 6-10	8" 3" 10" 2" 3" 8"			
Devilsclaw Galinsoga Giant Ragweed [†] Jimsonweed		 	Up to 6** Cotyledon to 6** Up to 4 6-10	3" 2" 6" 10"			
Ladysthumb Pennsylvania Smartweed Prickly Sida or Teaweed Spurred Anoda Tropic Croton Velvetleaf ¹¹ Venice Mallow	Up to 6 Up to 6 Up to 6 Up to 6 Up to 2 Up to 4 ¹¹ Up to 6	6" 3" 2" 2" 2"	6-10 6-10 6-8 6-8 2-4 4-6'' 6-10	10" 10" 4" 4" 5" 4"			
Wild Buckwheat Wild Mustard Wild Sunflower	Up to 4 Up to 6 Up to 4	3* 4* 5*	4-6 6-10 4-6	5" 8" 8"			

For additional weeds see Special Directions section following.

Do not treat later than leaf stage shown and do not count cotyledon leaves.

** Add oil concentrate according to section Addition of Oil Concentrate page 4. Nitrogen solution may be substituted for oil . concentrate for all weeds except common lambsquarters, common ragweed, and galinsoga. If velvetleaf is present with weeds requiring oil concentrate, a nitrogen solution plus oil concentrate may be used.

If after the first application a second weed flush develops, re-treat according to this rate table (corn only).

See section Addition of Nitrogen Solution page 4.

Special Directions for Other Weed Problems in Com

Morningglories

South: (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, and VA)

To control smallflower and cypressvine morningglories apply either 1.2 pts. of Basagran 5L per acre to plants not larger than 4 true leaves and 4 inches in height or length, or 1.6 pts. of Basagran 5L per acre to plants not larger than 6 true leaves and 6 inches in length To control paimleaf, pitted, tall (common), entireleaf, purple moonflower and ivyleaf morn-ingglories, apply 1.2 pts, of **Basagran 5L** per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence). Make a second application at the same rate of 5-14 days later. All states other than the South (see above):

Apply 1.6-2.4 pints of Basagran 5L per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of Basagran 5L/water.

Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that Basagran 5L is applied to morningglories before they exceed the maximum size recommended on this label.

Add oil concentrate to the spray solution of **Basagran 5L**/water for each application (see section Addition of Oil Concentrate).

Canada Thistle

Apply 1.6 pts. of Basagran 5L per acre when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7-10 days later.

Yellow Nutsedge

Two applications are preferred for best results. Apply 1.2-1.6 pts. of Basagran 5L per acre when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of Basagran 5L/water for each application (see section Addition of Oil Concentrate).

Field and Hedge Bindweed in KY, IL, IN, MI, and OH only_

For suppression of field and hedge bindweed, apply 1.6-2.4 pts. of Basagran 5L per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of Basagran 5L/water according to the section Addition of Oil Concentrate.

Late Cocklebur Rescue Treatment

This treatment is intended to provide only partial control of cocklebur in the event early postemergence treatments were not made. Thorough spray coverage is essential. Apply 1.6-2.4 pints of **Basagran 5L** per acre to plants up to 24 inches tall or for best results, apply 1.2 pts. of Basagran 5L to plants up to 24 inches tall, repeat 10-14 days later. Add oil concentrate to spray solution according to directions in section entitled Addition of Oil Concentrate.

Special Directions for Other Weed Problems in Sorghum

Annual Morningglories

Apply 1.6 pts. of Basagran 5L per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of Basagran 5L/water according to Addition of Oil Concentrate section. Because morningglories grow very rapidly, it is important to watch the growth stage care-fully and to be certain that **Basagran 5L** is applied to morningglories before they exceed the maximum size recommended (See above).

Canada Thistle

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Apply 1.6 pts. of Basagran 5L per acre when plants are from 8 inches tall to the bud stage. Control may be partial or inconsistent.

Yellow Nutsedge

Apply 1.2-1.6 pts. of Basagran 5L per acre when plants are 6-8 inches tall. Add oil concentrate according to section Addition of Oil Concentrate. Control may be partial or inconsistent.

Basagran 5L + Atrazine Tank Mix* — Corn and Sorghum (Not for use in California)

General Information, Application Information, Restrictions and Limitations

General Information

The tank mix of **Basagran[®] 5L her**bicide with atrazine effectively controls a broad spectrum of broadleaf weeds on the labeling of both products. For the control of annual morningglories, Canada thistle and yellow nutsedge, refer to the sections entitled **Special Directions** for Other Weed Problems in Corn and Sorghum.

Atrazine products compatible with Basagran 5L include AAtrex[®] 80 W, AAtrex[®] 4L, and AAtrex[®] Nine-O herbicides. Refer to the respective atrazine labels for additional directions and limitations. Always

dd nitrogen solution or oil concenwate according to the sections regarding addition of oil concentrate and addition of nitrogen solution.

Mixing and Spray Equipment:

Use intake, in-line, or nozzle screens finer than 50 mesh. Fill tank of a thoroughly clean spraver half to two-thirds full of clean water. Start agitation. Add atrazine and allow to wet and mix thoroughly. Maintain agitation and add Basagran 5L and nitrogen solution, and/or oil concentrate; allow to mix. Dash HC° spray adjuvant may be substituted for oil concentrate. Last, add the remaining quantity of water and mix thoroughly. Maintain constant agitation during application. Avoid allowing the mixture to stand overnight.

Clean sprayer immediately after use by flushing the system with water and a strong detergent. Do not allow cleaning water to contaminate streams or ponds.

Time and rate of application

Apply when weeds are small and actively growing and before weeds reach the maximum size listed in the **Application Rate Table for Corn and Sorghum**. Such applications generally correspond to the crop growth stages of 1-5 leaves. Corn is tolerant to the tank mix at all stages of growth. Sorghum is tolerant to the tank mix at all stages of growth up to and including early boot stage.

Very light leaf speckling may occur in corn and sorghum, but plants generally outgrow this condition within 10 days.

Refer to the **Conversion Table** below for application rates depend-

ing on formulation. A cultivation may be necessary if all weeds are not controlled or if regrowth of weeds occurs.

Restrictions and Limitations for tank mix with atrazine (partial list)

Read and follow the restrictions and limitations on the labels for **Basagran 5L** and atrazine (AAtrex).

The most restrictive labeling applies in tank mixes.

Do not use tank mix when crop is under stress from prolonged cold, wet weather, poor fertility, or other factors or when crop is wet and succulent from recent rainfall as crop injury may occur. Seed producers should consult the seed company regarding tolerance of seed production inbred lines to tank mix.

Do not apply to sorghum that is heading out or blooming.

Do not make more than one application of tank mix per season.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season in corn or 1.6 pts. of **Basagran 5L** per acre in one season in sorghum.

Do not graze treated area or feed treated forage to livestock for 21 days following application (see label for atrazine).

Do not plant oats, sugar beets, or sunflowers the season following application in soil having a calcareous surface layer.

In the Intermountain Region of the United States, do not plant any other crop the year following application except corn or sorghum.

Do not apply this tank mix through any type of irrigation.

* Tank mix not applicable in California.

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Table 14 **Acreage Conversion Table**

	1			Amoun	t of Formul	lated Prod	luct		··· ···	
Tank Mix Rate	Basagran 5L	<u> </u>			Atra	zine (AAtı	rex)			
ation (Ib ai/A)*	1 Acre	1 Acre		10 Acres			50 Acres			
	Pts.	80W lbs.	Nine-0 Ibs.	4L Pts.	80W lbs.	Nine-0 Ibs.	4L Pts.	80W lbs.	Nine-0 Ibs.	4L Pts.
0.42 + 0.42	0.67	0.525	0.46	0.84	5.25	4.6	8.4	26.25	23.0	42
0.5 + 0.5	0.8	.65	.56	1	6.25	5.6	10	31.25	30	50
0.75 + 0.75	1.2	.94	.83	1.5	9.4	8.3	15	46.8	41.5	75
* According to wr	eed arowth stac	ndicated	1 in table br	elow.		l				

Table 15 Application Rates for Tank Mix of Basagran 5L + Atrazine for Corn and Sorghum

	Application Rates for Weed Stages*								
Weeds Controlled	0.42 + 0.4	2 lb ai/A*	0.5 + 0.5	i lb ai/A*	0.75 + 0.7	'5 lb ai/A*			
	Leaf Stages	Max. Height	Leaf Stages	Max. Height	Leaf Stages	Max. Height			
Beggarticks					Up to 6	6"			
Black Nightshade	_	_	2-4	1	2-4	1"			
Bristly Starbur					Up to 4	2"			
Burcucumber		i			3	3"			
Cocklebur	2-4**	3"	2-10**	8"	2-10**	8"			
Common Groundsel			Up to 4	2"	Up to 6	4*			
Common Lambsquarters	2-6	2"	Up to 8	5"	8-12	8"			
Common Ragweed	_		Up to 4***	4"	4-7***	5"			
Dayflower			· -	—	Up to 6	- 4"			
Devilsclaw	_ 	- 1			Up to 6	3"			
Eastern Black Nightshade			2-4	1"	2-4	1"			
Giant Ragweed	(Up to 4	4"	4-6	6"			
Jimsonweed	2-4	3"	Up to 6	6"	6-10	8*			
Kochia	i —	-	·	4"	—	4"			
Ladysthumb	2-6	4"	Up to 10	10"	10-14	12"			
Morninggiories, Annual			Up to 4	4"	4-6	6"			
Morningglones, Smallflower	_		Up to 4	4"	4-6	6"			
Pennsylvania Smartweed	2-6	4"	Up to 10	10"	10-14	12"			
Prickly Sida or Teaweed	_	_	Up to 4	2"	Up to 6	3"			
Redroot Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"			
Smooth Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"			
Spurred Anoda					Up to 6	3"			
Tall Waterhemp			Up to 8	2"	6-9	4"			
Velvetleat*	2-4	3"	Up to 6	5″	Up to 8	8"			
Venice Mallow			Up to 8	4"	Up to 8	4"			
Wild Buckwheat		-	Up to 4	3"	4-6	5"			
Wild Mustard	-	-	Up to 6	4"	6-10	8"			
vuia Suntiower	—	—	Up to 5	6"	4-6	8"			

Other weeds: Other weeds listed on the label for Basagran 5L at the 3/4 pound rate will also be controlled with the 3/4 + 3/4 pound Basagran 5L. + atrazine tank mix.

Refer to **Conversion Table** for recommended rate of formulated product per acre. Add nitrogen solution or one quart of oil concentrate or one pint of **Dash HC** spray adjuvant for all weeds except common ragweed. When common ragweed pre-dominates, use oil concentrate. See sections **Addition of Nitrogen Solution** or **Addition of Oil Concentrate**. ٠

** Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
***Add one quart per acre of oil concentrate, not nitrogen solution, when this weed predominates.

For velvetleaf, always add UAN solution instead of oil concentrate or **Dash HC**. Addition of UAN or AMS will allow control of velvetleaf at the 8-leaf stage or 8-inch maximum height using 0.5 + 0.5 lb ai/A; or at the 10-leaf stage or 10 inch maximum height using 0.75 + 0.75 lb ai/A. a

Basagran 5L - Rice

General Information, Application Information, Restrictions and Limitations

Directions For Use (Not for use in California) Apply Basagran[®] 5L herbicide

early postemergence, before weeds exceed the maximum size listed in the **Application Rate Table for Rice**.

Early application produces the most beneficial effect on crop yields, allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size for a given rate will result in inadequate control.

Basagran 5L has no adverse effect on rice when used according to directions and may be used on the

rst and second (ratoon) crops. If grasses are a problem, use propanil in tank mix with **Basagran 5L** (see below).

For optimal coverage when applying **Basagran 5L** by air in rice, orient all nozzles straight back. For additional aerial application information, refer to **Directions For Use**. Oil concentrate should be applied according to the directions in the section entitled **Addition of Oil Concentrate**. When tank mixing **Basagran 5L** with emulsifiable concentrate formulations of propanil, oil concentrate should not be included as crop injury may be enhanced.

Alternate flooding culture: In Texas, Louisiana, Arkansas, and Mississippi, weed growth stages generally correspond to rice that is tillering (stooling) and occur prior to the permanent flood. Application of **Basagran 5L** must be made when there is no water on the field and 24 hours or more prior to flooding. If **Basagran 5L** cannot be applied until after flooding see directions under Continuous Flooding Culture.

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Continuous Flooding Culture: In

states using continuous flooding culture, or when treating after permanent flood, treatment should be made only when weeds are above the surface of the water. Weeds submerged at the time of application will result in inadequate control. For early treatment, water may be partly or completely drained to expose more weed growth to spray applications of Basagran 5L. Do not raise water level for at least 24 hours after application or unsatisfactory control may result. Do not use ground equipment for applications of flooded fields because splashing will wash Basagran 5L off weed leaf surfaces and ineffective control may result.

Restrictions and Limitations

Rice straw may be fed to livestock.

Do not apply **Basagran 5L** to rice with ground equipment when field is flooded because splashing will wash **Basagran 5L** off weed leaf surfaces and ineffective control may result.

Do not apply more than 3.2 pints of **Basagran 5L** per acre in one season. (Maximum of 1.6 pints per acre in first crop and 1.6 pts. per acre in second [ratoon] crop.) Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year. Do not use **Basagran 5L** on rice fields in which the commercial culti-

vation of catfish or crayfish is practiced.

Do not use water containing Basagran 5L residues from rice cultivation to irrigate crops used for food or feed unless Basagran 5L is registered for use on these crops.

Do not contaminate water when disposing of equipment wash water.

Tank mix with Propanil

Use a tank mix of **Basagran 5L** + propanil by ground or air for the control of mixed populations of grasses, sedges and broadleaf weeds listed as susceptible on the two product labels. Prepare tank mix by adding **Basagran 5L** to half the final volume of water with agitator running. Then add propanil and crop oil concentrate (with nonemulsifiable concentrate formulations) if required bring mix to final volume. Agitation must be continuous from time of mixing through spraying.

Apply **Basagran 5L** at a rate up to 1.6 pts. per acre per application. Do not apply more than 3.2 pints of **Basagran 5L** per acre on the rice crop. Use up to 5 pounds active ingredient (a.i.) of propanil for additional broadleaf weed control and grass control with **Basagran 5L**. Apply this tank mix only to drained fields.

Restrictions and Limitations

Do not use propanil on second crop (ratoon) rice.

When applying tank mix of **Basagran 5L**/propanil by air, orient all nozzles straight back in accordance with the propanil label.

Observe all restrictions and limitations on the **Basagran 5L** and the propanil labels. In tank mixes the most restrictive labeling applies.

Do not use crop oil concentrate with this tank mix when emulsifiable concentrate formulations of propanil are used.

Add propanil to the tank mix of **Basagran 5L** based on active ingredient (a.i.) of formulation used.

Table 16 Application Rates for Rice — Drained Fields

	Application Rates for Weed Growth Stages						
Weeds Controlled	1.2 pts. j	per Acre*	1.6 pts. per Acre*				
(All States)	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height			
Cocklebur	2-10	10"	10-15	15"			
Dayflower	2-10	6*	10-15	10"			
Ducksalad		_	6-10**	6"			
Gooseweed	4-6	4*	6-10	8″			
Redstem	Upto 6	4*	6-10	8"			
Redweed	4-6	6"	6-10	8"			
Smartweed	2-10	6"	10-15	10"			
Spikerush	2-6	6"	6-8	8"			
Water Plantains	1		1				
, Arrowhead			Up to 4	7"			
, Common			Up to 4	7"			
Yellow Nutsedge	4-6	6"	6-8	10"			

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Table 17 Application Rates for Rice — Flooded Fields

	Application Rates for Weed Growth Stages							
Weeds Controlled	1.2 p	ts. per Acre*	1.6 pts. per Acre*					
	Maximum Height Above Soil	Minimum Height Range Above Water Level	Maximum Height Above Soil	Minimum Height Range Above Water Level				
Cocklebur	10"	3-6"	15*	6-10"				
Dayflower	6"	3-5"	10*	5-8"				
Redstem	4"	2-3"	8"	4-6"				
Smartweed	6"	2-5"	10*	5-8*				
Water Plantains , Arrowhead		_	7.	5-6″				
, Common	_		7*	5-6"				
Yellow Nutsedge	6"	4-5"	10"	6-8"				
* If after the first applica	tion a second weed flus	sh develops, retreat according	to this rate table.	· · · · · · · · · · · · · · · · · · ·				

the maximum size listed in the Application Rates Table for Peanuts. Such applications may occur from peanut cracking through

pegging. Peanuts are tolerant to **Basagran 5L** at all stages of growth, but slight leaf-speckling may occur under certain conditions (see **Restrictions and Limitations**). Peanut plants generally outgrow this condition within 10 days.

Restrictions and Limitations Do not apply Basagran 5L if

peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any prior herbicide applications (preplant incorporated, preemergence, cracking and/or postemergence), because this injury may be enhanced and/or prolonged. In the Southeast, in-furrow treatments of insecticides/nematicides may predispose peanuts to injury from **Basagran 5L**.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season.

Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year. Peanut hay and forage may be fed to livestock.

Do not graze treated peanut fields for at least 50 days after the last **Basagran 5L** treatment.

Table 18Application Rates for Peanuts

	Application Rates for Weed Growth Stages ¹							
Weeds Controlled	0.8 pt. p	ber Acre ¹¹	1.2 pts.	per Acre	1.6 pts. pe	er Acre		
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height		
Balloonvine			2-4	2"	4-6	3"		
Beggarticks	. —		Up to 6	6"	6-8	8"		
Bristly Starbur	_		Up to 4	2"	4-6	3*		
Cocklebur	2-4*	4"	2-6	6"	6-10	10"		
Coffee Senna	I —	· _		—	Up to 1** pinnate	2"		
Common Ragweed			—	—	4-6**	3"		
Dayflower		—	Up to 6	4"	6-10	8"		
Devilsclaw			·		Up to 6**	3*		
Giant Ragweed'					Up to 4	6"		
Jimsonweed	Up to 4	4"	Up to 6	6"	6-10	10"		
Ladysthumb	Up to 4	4"	Up to 6	6"	6-10	10"		
Pennsylvania Smartweed	Up to 4	4"	Up to 6	6"	6-10	10"		
Prickly Sida or Teaweed		<u> </u>	Up to 6	3*	6-8	4*		
Spurred Anoda			Up to 6	3"	6-8	4*		
Tropic Croton	—		Up to 2	2"	2-4	4*		
Velvetleaf	—		Up to 4	2"	4-6	5*		
Wild Sunflower	—	<u> </u>	Up to 4	5"	4-6	8"		

For additional weeds see **Special Directions** section following.

* Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

** Add oil concentrate according to section Addition of Oil Concentrate page 4.

If a second flush occurs, retreat field according to this rate table.

¹¹ Apply before weeds reach the maximum size or leaf stage indicated. If regrowth develops, reapply 0.8 pint 7-14 days after the first application.

Special Directions for Other Weed Problems in Peanuts

Annual Morningglories

To control smallflower and cypressvine morningglories apply either 1.2 pts. of **Basagran 5L** per acre to plants not larger than 4 true leaves and 4 inches in height, or 1.6 pts. of **Basagran 5L** per acre to plants not larger than 6 true leaves and 6 inches in height.

To control palmleaf, pitted, common, entireleaf, purple moonflower and ivyleaf morningglories, apply 1.2 pts. of **Basagran 5L** per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence). Make a second application at the same rate of 5-14 days later.

Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that **Basagran 5L** is applied to morningglories before they exceed the maximum size recommended. Add oil concentrate to the spray solution of **Basagran 5L**/water for each application (see **Addition of Oil Concentrate**).

Yellow Nutsedge

Two applications are preferred for best results. Apply 1.2-1.6 pts. of **Basagran 5L** per acre when plants are 6-8 inches tall. In Texas and Oklahoma, use 1.6 pts. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran 5L**/water according to the section **Addition of Oil Concentrate**, page 4.

Late Cocklebur

This treatment is intended to provide partial control of cocklebur in the event early postemergence treatments were not made. Very thorough spray coverage is essential. Apply 1.6-2.4 pints of **Basagran 5L** per acre to plants up to 24 inches tall, or for best results, apply 1.2 pts. of **Basagran 5L** to plants up to 24 inches tall and repeat 10-14 days later. Add oil concentrate according to the section **Addition of Oil Concentrate**.

Basagran 5L + 2,4-DB Tank Mix* Peanuts

General Information, Application Information, Restrictions and Limitations

General Information

These directions are intended to provide the user of Basagran* 5L herbicide with instructions for tank mixing with 2,4-DB (such as Butyrac* 200 or Butoxone* 200 herbicides) to control entireleaf, tall (common), and ivyleaf morningglories in addition to all other weeds listed in Table 19. Weeds must be actively growing and at recommended growth stages. Delay in application which permits weeds to exceed maximum size stated will result in inadequate control.

Water Volume and Spray Pressure

Refer to section entitled Directions For Use - All Crops.

Ground Equipment: Refer to section entitled Directions For Use -All Crops.

Mixing: Refer to Directions For Use - All Crops.

Coverage

The tank mix is effective partly through contact action. Therefore, weeds must be thoroughly covered with spray. If applied to morningglories larger than 10", control will be inadequate.

Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Peanuts are tolerant to the tank mix of Basagran 5L + 2,4-DB; however, under certain conditions peanuts may have a white, bleached appearance and the leaves may be slightly elongated.

Restrictions and Limitations for Tank Mix with 2,4-DB (partial list)

Read and follow the restrictions and limitations on the labels for Basagran 5L and 2,4-DB. The most restrictive labeling applies in tank mixes.

Use only amine formulations of 2,4-DB.

Do not apply to or allow drift to any other adjacent crop.

Do not add oil concentrate or any other additives to tank mix.

Do not apply tank mix if peanuts show injury (leaf phytotoxicity

and/or plant stunting) produced by any other prior herbicide treatment or by disease because this injury may be enhanced and/or prolonged.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subject to stress conditions such as hail damage, flooding, drought, injury from other herbicides, or unseasonably cold or widely fluctuating temperatures because injury may result.

Do not apply more than 2 applications of the tank mix per season.

Do not apply within 30 days of harvest in Oklahoma, Texas and New Mexico or 45 days in the Virginia-Carolina area. (See label for 2,4-DB.)

Do not feed treated peanut vines and peanut hay to livestock. (See label for 2,4-DB.)

*Tank mix not applicable in California.



Table 19 Basagran 5L + 2.4-DB Tank Mix Additional Weed Control — Peanuts **Rate and Time of Application**

Product	Rate	Weeds Controlled/Weed Size		Additives
Basagran 5L	1.2-1.6 pts./A according to weed species and size (See Table 1 page 6)	Apply Basagran 5L according to weed sizes in Table 1 .		Do not add oil concentrate or any other additives
2,4-DB (amine formulation)	2,4-DB8 fl. oz./A of(amine formulation)orButyrac 200 (0.125 pound ae*/A.)		Vines up to 10" long	(including UAN solution) to this tank mix.
* Acid equivalent	··· <u></u>	·····	L	

General Information, Application Information, Restrictions and Limitations

General Information The tank mixes of Basagran^e 5L + Blazer^e herbicides will control the weeds listed in Tables 3 and 4.

Table 20 - All States Basagran 5L: 0.8 pt./A. Blazer: 1 pint/A.

Table 21 - All States for additional weeds or larger sizes Basagran 5L: 1.2-1.6 pts./A. Blazer: 1 pint/A.

For Time of Application, Water Volume, Spray Pressure and Mixing directions refer to the Basagran 5L + Blazer tank mix for soybeans.

Restrictions and Limitations for tank mix with Blazer (partial list)

Observe all applicable directions, restrictions and precautions on this label and the label for **Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide treatment because this injury may be enhanced and/or prolonged. Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subject to stress conditions such as hail damage, flooding, drought, or unseasonably cold or widely fluctuating temperatures because injury may result.

Do not add a surfactant or oil concentrate except where specifically recommended.

*Tank mix not applicable in California.

Table 20 All States Basagran 5L + Blazer Tank Mix - Peanuts Rate and Time of Application

Product	Rate	Weeds Controlled	Leaf Stage	Max. Height	Additive Rate
Basagran 5L + Blazer	0.8 pt./A + 1 pint/A	Black Nightshade Bristly Starbur Cocklebur Common Lambsquarters Common Ragweed* Crotalaria** Jimsonweed Morningglories* Pennsylvania Smartweed Prickly Sida (Teaweed)* Redroot Pigweed Sesbania** Smooth Pigweed Spurred Anoda* Velvetleaf* Wild Mustard	Up to 2 4-6 2-6 4-6 Up to 6 Up to 6 Up to 6 Up to 6 Up to 4 Up to 6 Up to 4 Up to 4 Up to 4 Up to 4 Up to 4 Up to 6	<2" 3" 6" 2" 3" 6" 2" 6" 2" 3" 6" 2" 4"	Oil Concentrate 1.25% v/v (1 pint/A maximum)

For common ragweed up to 6" tall and 10 leaves, use 1.2 pts. of Basagran 5L with 1 pint of Blazer.

For common (tall) morningglory, increase rate of Basagran 5L to 1.2 pts.

 Blazer may also be included in the tank mix at a rate of up to 1¹/₂ pints per acre; however, this will increase the severity and/or frequency with which peanut injury is observed.

* For more consistent control, increase rate of Basagran 5L to 1.2 pts. per acre.

** If crotolaria or sesbania are present, add Triton® AG-98 at the rate of ¹/2 pint per 100 gallons of spray solution; but do not combine Triton AG-98 with oil concentrate.

Table 21All States (for Additional Weeds or Larger Weed Sizes)Basagran 5L + Blazer Tank Mix - PeanutsRate and Time of Application

Product	Rate*	Weeds C	ontrolled/Weed	Size	Additive Rate		
Basagran 5L	1.2-1.6 pts./A according to weed species and size (See Table 1 page 6)	Baliconvine Beggarticks Bristly Starbur Cocklebur Coffee Senna ^b Common Ragweed ^b Cypressvine Mornings Dayflower Devilsclaw Giant Ragweed Jimsonweed	Ladysthui Marsheld Pennsylva Prickly Sid Smallflow Spurred A Tropic Cri Velvetleaf Wild Sunf Yellow Nu				
pius	pius		Leaf Stage	Max. Height	Oil concentrate		
Blazer	Blazer 1 pint/A	Black Nightshade Citron Common Ragweed ^b Crotalaria ^b Morningglories Redroot Pigweed Sesbania ^b Smooth Pigweed	Up to 2 Up to 4 Up to 10 Up to 6 Up to 2 Up to 6 Up to 4 pinnate Up to 6	<2" 2" 6" 6" 2" 3" 6" 3"			
		Tall Waterhemp	Up to 6	3"			
 Choose the rate of Basagran 5L (1.2 or 1.6 pts. per acre) according to the size and species of the weeds to be controlled with Basagran 5L alone (see Table 18, Application Rates for Peanuts). Then add Biazer at the rate of 1 pint per acre, if needed, to control the additional weeds, up to the maximum size as shown in the tank mix time of application table 							

above. Blazer may also be included in the tank mix at a rate of up to 11/2 pints per acre; however, this will increase the severity and/or frequency with which peanut injury is observed.
Add oil concentrate to the tank mix according to the recommendations in Table 18, Application Rates for Peanuts, page 26. The addition of oil concentrate may increase the severity and/or frequency of peanut injury. If crotolaria or sesbania are present, add Triton AG-98 at the rate of 1/2 pint per 100 gallons of spray solution. But do not combine Triton AG-98 with oil concentrate.

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Basagran 5L + Blazer + Poast Tank Mix* — Peanuts

General Information, Application Information, Restrictions and Limitations

General Information Basagran[®] 5L, Poast[®] and

Blazer[®] herbicides may be tank mixed for postemergence control of broadleaf and grass weeds. Weeds must be actively growing and at the recommended growth stages. Refer to **Tables 8** and 9, **Rate and Time** of Application.

Separate applications should be made if:

- all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- grasses to be controlled include rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.

See Table 10, Separate Applications.

Refer to the section **Directions For Use - Soybeans** for **Water Volume and Spray Pressure, Mixing** and for Early Spot Spray.

Restrictions and Limitations (partial list)

Read and follow the restrictions and limitations on the labels for

Basagran 5L, Poast and **Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 75 days of harvest. (See label for **Poast**.)

Do not graze treated peanut fields and do not feed treated peanut forage, ensilage or hay to livestock (see labels for **Blazer** and **Poast**).

Do not include UAN solution (or ammonium sulfate) when tank mixing **Basagran 5L**, **Blazer**, and **Poast**.

*Tank mix not applicable in California.

Basagran 5L + Starfire Tank Mix* — Peanuts

General Information, Application Information, Restrictions and Limitations

The tank mix of **Basagran[®] 5L** plus **Starfire[®] herbicide** will also control certain weeds not controlled by **Basagran 5L** alone (see **Tank Mix**

Recommendation Table). Since this tank mix is effective main-

ly through contact action, thorough coverage of weeds is essential for effective weed control. Large cropand-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Crop foliage present at application may bronze or crinkle, but the plants will soon outgrow these effects and develop normally.

Time and Rate of Application

The application rates and weed sizes for this tank mix are given in the **Rate and Time Application Table**. This tank mix should be applied at the ground crack stage of peanuts to control emerged annual grass and broadleaf weeds. A second application may be applied up to 28 days after ground crack stage. Do not make more than two applications of this tank mix to the same crop.

Apply the **Basagran 5L + Starfire** tank mix to weeds which are actively growing and before weeds reach the maximum size listed in the **Application Recommendation Table**.

Application to weeds which exceed the maximum size stated may result in inadequate control.

Spray Additives

Always add a nonionic surfactant containing at least 50% surface active agent at the rates listed in the **Tank Mix Recommendation Table** below.

Do not use crop oil concentrate or any other oil-based additive with this tank mix.

Water Volume and Spray Pressure

Use a minimum of 20 gallons of total spray mixture per acre (broadcast basis) and 30-50 psi pressure with standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

Mixing

Fill spray tank half full with water while the agitator is running and add the recommended amount of **Basagran 5L, Starfire** and nonionic surfactant. Then add the remaining quantity of water.

Restrictions and Limitations (partial list)

Read and follow the restrictions and limitations on the labels for

Basagran 5L and **Starfire**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix if peanuts show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide treatment because this injury may be enhanced and/or prolonged.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subjected to stress conditions such hail damage, flooding, drought, or unseasonably cold or widely fluctuating temperatures because injury may result.

Avoid drift to all other crops and non-target areas. Crops other than peanuts may be severely injured by drift,

*Tank mix not applicable in California.

Table 22Basagran 5L + Starfire Tank Mix — PeanutsRate and Time of Application

Duralizat	Data	Manda Cantadiad	Weed Growth Stages*			
Product Rate	Hate	Weeds Controlled	Leaf Stage	Max. Height	Additive	
Basagran 5L	0.8 pt./A	Balloonvine	2-4	2"		
	• ·	Beggarticks	Up to 6	6"	ĺ	
		Brištly Starbur	Up to 4	2"		
		Cocklebur	2-6*	6"		
		Coffee Senna	Up to 1 pinnate	2″		
		Common Ragweed	Upto6	3"		
	ſ	Dayflower	Up to 6	4"	ł	
		Devilsclaw	Up to 6	3"		
		Giant Ragweed	Up to 4	6"		
plus	plus	Jimsonweed	Up to 6	6"		
•		Ladysthumb	Up to 6	6"		
	ĺ	Pennsylvania Smartweed	Up to 6	6"	Use suitable nonionic	
		Prickly Sida or Teaweed	Up to 4	2"	surfactant at 0.125% v/v	
		- Spurréd Anoda	Up to 6	3"	(1 pt./100 gallons) water	
		Tropic Croton	Up to 2	2"	or as directed on	
Starfire	0.69 pint/A	Velvetleaf	Up to 4	2"	respective labels.	
I	(11 fl. oz./A)	Wild Sunflower	Up to 4	5"		
		Crabgrass, Smooth	Up to 2	2"		
		Large	Up to 2	2″		
		Smooth Pigweed	Up to 6	4"		
		Redroot Pigweed	Up to 6	4"		
	1	Tall Waterhemp	Up to 6	4"	}	
		Sicklepod	Up to 4	4"		
ļ	Į	Florida Beggarweed	Up to 4	4"		
	í.	Morningglories, Smallflower	Up to 6	4"	ł	
1		Texas Panicum	Up to 2	2"		
	[Goosegrass	Up to 2	2"	j	

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Beans (dry or succulent) **Directions For Use**

Apply Basagran[®] 5L herbicide

early postemergence when weeds are small and actively growing and before weeds reach the maximum size listed in the Application Rate Table for Beans.

Such weed growth stages generally correspond to bean stages of greater than one expanded trifoliate leaf.

Beans are tolerant to Basagran 5L after the first trifoliate leaf has fully expanded. Snap bean injury can be very pronounced. Even at the tolerant stages, yellowing, bronzing, speckling or burning of leaves may occur under certain conditions (see **Restrictions and Limitations**). This temporary injury is generally outgrown without delaying podset or maturity or reducing yield.

The use of oil with Basagran 5L may increase injury and may reduce yields.

Tolerant bean types are adzuki, navy, pinto, pinks, great northern, kidney, red, white, cranberry, black turtle scup, small limas, large limas and snap beans.

CALIFORNIA ONLY; Not recommended for use on adzuki beans.

Table 23 **Application Rates for Beans (Dry or Succulent)**

	Application Rates for Weed Growth Stages							
Weeds Controlled	0.8 pt. j	per Acre*	1.2 pts.	per Acre	1.6 pts. pe	er Acre		
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height		
Cocklebur (PNW)	2-4**	4"	2-6**	6*	6-10	10"		
Common Lambsquarters ¹	Up to 4	- [#] ***	Up to 6	1 ¹ /2 ^{****}	4-8	2"***		
Common Purslane	·		Up to 4	1"	4-6	2"		
Common Ragweed		—		_	4-6	3"		
Devilsclaw		—			Up to 6***	3"		
Galinsoga	—				Cotviedon to 6***	2"		
Giant Ragweed [*]			_	_	2-4	6"		
Hairy Nightshade****		—	_	_	2-6	4"		
Jimsonweed			Up to 6	6"	6-10	10"		
Ladysthumb			Up to 6	6"	6-10	10"		
Marshelder			Up to 4	2"	4-8	4″		
Pennsylvania Smartweed	Up to 4	4"	Up to 6	4"	6-10	10"		
Prickly Sida or Teaweed	·		Up to 6	3"	6-8	4"		
Shepherdspursett	<u> </u>		Upto6	4"	6-10	8"		
Velvetleaf*	Up to 3	2"	Up to 4	2"	4-6***	5"		
Venice Mallow	Up to 4	2"	Upto6	2"	6-10	4"		
Wild Mustard (PNW)	Up to 4	2"	Upto6	4"	6-10	10"		
Wild Sunflower	Up to 2	3"	Up to 4	5″	4-6	8"		
 See section Addition of Nitrogen Solution, Directions For Use-all crops. Apply before weeds reach the maximum size or leaf stage indicated. If regrowth develops, make a second application of 0.8 pint 7-14 days after the first application. (This rate not applicable in California.) Do not treat earlier than leaf stage shown and do not count cotyledon leaves. 								

Basagran 5L does not adequately control black nightshade.
 If after the first application a second weed flush occurs, retreat field according to this rate table.

¹¹ Do not treat rosette before seed stalk appears.

PNW - See special direction for Pacific Northwest.

Western irrigated areas

In the Western irrigated areas, it may be necessary to irrigate prior to treatment with **Basagran® 5L herbicide** to ensure that weeds are growing actively. Weeds that are growing under moisture stress are not actively growing and are not satisfactorily controlled. Avoid application of **Basagran 5L** during prolonged periods of cold weather (day temperature below 75° F and night temperature below 55° F for 2-5 days) because weed control may be nullified.

Restrictions and Limitations (partial list)

Do not apply **Basagran 5L** to bean fields until beans have at least the first trifoliate leaf fully expanded because severe crop damage may occur.

Do not apply **Basagran 5L** to blackeyes grown in California or to garbanzo beans or lupines at any stage of growth, as severe crop damage may occur.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season.

Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year.

Do not apply **Basagran 5L** to dry or succulent beans within 30 days of harvest.

Special Directions for Other Weed Problems in Beans

Yellow Nutsedge

Two applications are preferred for best results. Apply 1.2-1.6 pts except Pacific Northwest) of **Basagran 5L** per acre when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add bit concentrate to the spray solution of **Basagran 5L**/water for each application according to **Directions For Use-all crops**.

In California:

Apply 1.6 pts. of **Basagran 5L** per acre when plants are 6-8 inc⁺-es tall. Make a second application at the same rate 10-14 days later. The use of bill concentrate with **Basagran 5L** may increase crop injury and may reduce crop yields.

Canada Thistle

Apply 1.6 pts. of **Basagran 5L** per acre when plants are from 8 nches tall to bud stage. Make a second application at the same rate 7-10 days later.

Field and Hedge Bindweed in KY, IL, IN, MI, and OH only

For suppression of field and hedge bindweed, apply 1.6-2.4 pints of **Basagran 5L** per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of **Basagran 5L**/water, according to **Directions For Use-all** crops.

Pacific Northwest (ID, OR, WA)

For control of cocklebur, yellow nutsedge, and wild mustard, use only the 1.6 pts. rate.

For cocklebur and wild mustard, treat when plants are in the 2-10 leaf stage and a maximum height of 10 inches.

For yellow nutsedge, follow the directions above using only the 1.6 pts. rate. For wild mustard, treat when plants are up to the 10 leaf stage and a maximum height of 10 inches.

Peas (Dry or Succulent) Directions For Use

Apply Basagran® 5L herbicide early postemergence when weeds are small and actively growing and before weeds reach the maximum size listed in Table 24, the Application Rates for Peas. Such weed growth stages generally correspond to pea stages of greater than 3 pairs of leaves (or 4 nodes). Peas are tolerant to Basagran 5L after 3 pairs of leaves (or 4 nodes) are present. Pea injury can be very pronounced. Even at tolerant stages, yellowing, bronzing, speckling or burning of leaves may occur under certain conditions (see **Restrictions and Limitations**). This temporary injury is generally

outgrown without delaying podset or maturity or reducing yield. Tolerant pea types are garden peas, English peas and southern peas.

Western Irrigated Areas

In the Western irrigated areas, it may be necessary to irrigate prior to treatment with **Basagran 5L** to ensure weeds are growing actively. Weeds that are growing under moisture stress are not actively growing and are not satisfactorily controlled.

Avoid application of **Basagran 5L** during prolonged periods of cold weather (day temperature below 75° F and night temperature below 55° F for 2-5 days) because weed control may be nullified.

Restrictions and Limitations (partial list)

Do not apply **Basagran 5L** to dry peas within 30 days of harvest. Do not apply **Basagran 5L** to succulent peas within 10 days of harvest. In California, do not apply to succulent peas within 30 days of harvest.

Do not apply **Basagran 5L** to pea fields until peas have at least 3 pairs of leaves (or 4 nodes) because severe crop damage may occur.

Do not apply **Basagran 5L** to peas under stress from root rot.

In the Southeast, in-furrow treatments of insecticides/nematicides may possibly predispose the peas to injury from **Basagran 5L**.

Table 24 Application Rates for Peas (Dry or Succulent)

	Application Rates for Weed Growth Stages						
Weeds Controlled*	1.2 pts. 1	Per Acre	1.6 pts. Per Acre				
	Leaf Stage	Max. Height	Leaf Stage	Max. Height			
Cocklebur (PNW)	2-4*	6"	6-10	10"			
Common Purslane	Up to 4	1"	4-6	2"			
Giant Ragweed ¹	·		2-4	6"			
Hairy Nightshade**	!		2-6	4"			
Jimsonweed	Up to 6	6"	6-10	10"			
Ladysthumb	Up to 6	6*	6-10	10"			
Marshelder	Up to 4	2"	4-8	4"			
Mayweed/Dogfennel (PNW)		2"		3"			
Pennsylvania Smartweed	Up to 6	4"	l 6-10	10"			
Prickly Sida or Teaweed	Up to 6	3"	6-8	4"			
Shepherdspurse ^{††}	Up to 6	4"	6-10	8"			
Velvetleaf•	Up to 4	2"	4-6	5"			
Venice Mallow	Up to 6	2*	6-10	4"			
Wild Mustard (PNW)	Up to 6	4"	6-10	10"			
Wild Sunflower	Up to 4	5*	4-6	8*			

For additional weeds see Special Directions section following.

See section Addition of Nitrogen Solution.

* Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

** Basagran 5L does not adequately control black nightshade.

If, after the first application a second weed flush develops, retreat according to this rate table.

¹¹ Do not treat rosette before seed stalk appears.

PNW - See special directions for Pacific Northwest.

Special Directions for Other Weed Problems in Peas

Canada Thistle

Apply 1.6 pts. of **Basagran 5L** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later

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Pacific Northwest (ID, OR, WA)

For control of cocklebur and wild mustard, use only the 1.6 pts. rate when plants are in the 2-10 leaf stage and a maximum height of 10 inches.

Do not apply **Basagran 5L** to blackeyes grown in California or to garbanzo beans or to lupines at any stage of growth, as severe crop damage may occur.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre < in one season. Do not apply more than a total of

2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year.

Do not add oil to Basagran 5L for use on peas, except as directed for use in the Pacific Northwest (PNW).

JK Diection of

Basagran 5L + Thistrol Tank Mix* for Postemergence Application in Peas

For use in ME, NH, VT, MA, CT, RI, NY, PA, NJ, VA, MD, DE, WA, ID, and OR

General Information

The tank mix of Basagran® 5L plus Thistrol® herbicide will control certain weeds not controlled by Basagran 5L alone (see Table 25). Since this tank mix is effective mainly through contact action, thorough coverage of weeds is essential for effective weed control. Large cropand-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Crop foliage present at application may be injured in the form of yellowing, bronzing, speckling, and/or twisting, but plants usually outgrow this temporary injury and develop normally.

Time and Rate of Application

Application rates and weed sizes for this tank mix are given in **Table 25**. This tank mix should be applied after the three leaf stage (four node stage) of peas, but not later than three nodes before pea flowering. Apply the tank mix of **Basagran 5L** plus **Thistrol** to weeds that are actively growing and before weeds reach the maximum size listed. Application to weeds that exceed the maximum size stated may result in inadequate control.

Notice to user

Due to variability among pea cultivars and in application techniques, neither the manufacturers nor the sellers have determined whether or not the tank mix of **Basagran 5L** + **Thistrol** can be safely used on all pea crops under all conditions. It is therefore recommended that the user determine if the tank mix of **Basagran 5L** + **Thistrol** can be used safely prior to broad use.

Spray Additives

Do not use crop oil concentrate, other oil-based additives, or any other spray additives or surfactants with this tank mix.

Water Volume and Spray Pressure

Use a spray volume of 20-40 gallons of total spray mixture per acre (broadcast basis) and a maximum of 40 psi pressure with standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

Mixing

Fill the spray tank half full with water and, while the agitator is running, add the recommended amount of **Basagran 5L** and **Thistrol**. Then add the remaining quantity of water.

Restrictions and Limitations (partial list)

Read and follow the restrictions and limitations on the **Thistrol** label. The most restrictive labeling applies in tank mixes.

Do not apply tank mix if peas show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide treatment because this injury may be enhanced and/or prolonged.

Do not feed treated peas, vines, or hay to livestock.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peas that have been subjected to stress conditions such as root rot, hail damage, flooding, drought, or unseasonably cold, or widely fluctuating temperatures because injury may result.

Do not apply the tank mix to peas when temperatures exceed 90° F.

Do not apply the tank mix to peas after pea flower buds appear.

Avoid drift to all other crops and nontarget areas. Crops other than peas may be severely injured by drift. Cotton, beans, grapes, tomatoes, and ornamentals are particularly sensitive to **Thistrol**.

* Tank mix not applicable in California.

Table 25

Application	Rates for	Tank Mix	of Basagrar	1 5L +	Thistrol —	Peas

Weeds Controlled	Basagran 5L Thistrol ((0.8 pt./A) + 2 pts./A)	Basagran 5L (1.2 pts./A) + Thistrol (3 pts./A)		
P	Max. Leaf Stage	Max. Height	Max. Leaf Stage	Max. Height	
Thistle*			10 to bud		
ur**	→		6	6*	
n Lambsguarterst	.4	2"	8	3″	
n Purslane	4	1"	6	2"	
n Ragweed		—	6	3"	
pperweed ¹¹	6)	4"	10	8"	
aweed ⁺	_		4	6"	
5	_	_	4	2"	
veed	4	4"	6	6"	
umb	6	6"	10	10″	
der			4	2"	
k		5"		5"	
vania Smartweed	6	4"	8	6"	
f	5	2"	8	6″	
ida or Teaweed	6	3"	8	4"	
'dspurse ^{t†}	6	4"	10	8"	
af'		_	4	2"	
stard	6	4"	10	10"	
dish	6	4"	10	10 *	
hflower	_	—	4	5"	
nflower treatment with a sequential applic	ation of Basagran (4"	'-10 days after tank mix	tr	

** Do not treat earlier than 2 leaf stage and do not count cotyledon leaves.

¹ Control may be partial or inconsistent.

^{††} Do not treat until seed stalk appears.

Special Directions For the Pacific Northwest (PNW) - Peas Addition of Oil Concentrate to Spray Tank

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) may be added to the spray tank. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria: 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality, and 4) be successful in local experience. Additional information may be found in the section entitled **Addition of Oil Concentrate**. **Temperature Considerations** Crop and weeds must be actively growing. **Basagran® 5L herbicide** may be applied during periods of cold weather (day temperatures below 75° F and night temperatures below 55° F) provided crop and weeds are actively growing. Do not apply **Basagran 5L** with oil concentrate when temperature exceeds 80° F, as excessive leaf burn may occur.

Restrictions and Limitations (partial list)

Do not apply **Basagran 5L** to dry peas within 30 days of harvest. Do not apply **Basagran 5L** to succulent peas within 10 days of harvest. In California, do not apply to succulent peas within 30 days of harvest.

Do not apply **Basagran 5L** to pea fields until peas have at least 3 pairs of leaves (or 4 nodes) because severe crop damage may occur.

Do not apply **Basagran 5L** to peas under stress from root rot.

Do not apply **Basagran 5L** to blackeyes grown in California, garbanzo beans or chick peas, or to lupines at any stage of growth, as severe crop damage may occur.

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season.

Do not add oil concentrate to **Basagran 5L** for use on peas except as directed for use in the Pacific Northwest (PNW).

Do not apply **Basagran 5L** with oil concentrate when temperatures exceed 80° F.

Do not apply oil concentrate with **Basagran 5L** plus MCPA tank mix.

Table 26	
Application Rates for Pacific Northwest — Peas (Dry or Succulent))

	Application Rates for Weed Growth Stages						
Weeds Controlled	0.8 pt. per Acre		1.2 pts. per Acre		1.6 pts. per Acre		
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height	
Cocklebur Common Lambsquarters* Common Purslane Giant Ragweed'' Hairy Nightshade!* Jimsonweed Ladysthumb Marshelder Mayweed/Dogfennel Pashenik* Pennsylvania Smartweed Prickly Sida or Teaweed Shepherdspurse* Venice Mallow Volunteer Radish Volunteer Sugar Beets	2-4 — — — — — — — — —	1" 2" 	4-6 2-4 — 2-6 2-6 2-6 2-6 2-6 2-6 2-6 2-6 2-6 2-6	1 ¹ /2" 1" 6" 2" 3" 5" 4" 2" 4" 2"	2-10 4-8 4-6 2-4 2-6 6-10 6-10 4-8 6-10 6-8 6-10 6-10 6-10 6-10 4-8	10" 2" 2" 6" 4" 10" 4" 4" 5" 10" 4" 8" 4" 10"	
Wild Mustard Wild Sunflower*	2-4 1-2	2" 3"	4-6 2-4	4″ 5″	6-10 4-6	10" 8"	

Control requires the addition of 1-2 pints per acre of oil concentrate (2 pints maximum per acre).

* Basagran 5L does not adequately control black nightshade.

" If second weed flush occurs, re-treat according to this table.

Table 27 Application Rates for PNW Peas (Succulent only) Basagran 5L Tank Mix with MCPA (0.125 to 0.25 lbs. ae/A)

	Rate of Basagran 5L*				
Weeds Controlled	1.2 pts. F	.2 pts. Per Acre 1.6 pts. Per A		er Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	
Pigweed Common Lambsquarters	2-4 2-4	1" 1"	4-8 4-8	2 * 2 *	
Pigweed Common Lambsquarters	2-4 2-4	1" 1" oran 51 plus	4-8 4-8 MCPA Tank	Mix	

Peppermint and Spearmint — Directions For Use

Apply **Basagran^e 5L herbicide** early postemergence when weeds are small and actively growing and before weeds reach maximum size listed in **Table 28 Application Rates for Peppermint and Spearmint**.

Peppermint and spearmint are tolerant to **Basagran 5L**; however, some leaf-burning may occur under certain conditions, such as when plants are growing very actively and have extensive new, succulent tissue. Mint plants generally outgrow this condition within 10 days.

Irrigated areas

In irrigated areas it may be necessary to irrigate prior to treatment with **Basagran 5L** to ensure that weeds are growing actively. Weeds growing under drought conditions or unseasonably cold weather usually are not satisfactorily controlled.

Restrictions and Limitations

Do not apply more than a total of 3.2 pints of **Basagran 5L** per acre in one season.

Do not apply more than a total of 2.0 pounds of bentazon active ingredient (a.i.) from all sources per acre, per calendar year.

Table 28 Application Rates for Peppermint and Spearmint

Weeds Controlled	1.6 pts. Pe	er Acre	3.2 Pints Per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Common Lambsquarters	4-8*	2"		
Common Ragweed	4-6*	3"		
Hairy Nightshade**	2-6	4"	6-10	61
Kochia	NA	2"*	NA	4
Ladysthumb	6-10	10"		
Pennsylvania Smartweed	6-10	10"	_	_
Wild Mustard	6-10	8"		

For additional weeds see Special Directions section following.

Add oil concentrate according to section Directions for use-all crops.
 Basagran 5L does not adequately control black nightshade.

NA = not applicable

Special Directions for Other Weed Problems in Peppermint and Spearmint

Yellow Nutsedge

Apply 1.6 pts. of **Basagran 5L** per acre when plants are 6-8 inches tall. Make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran 5L**/water for each application according to the **Directions for use-all crops**.

Canada Thistle

Apply 1.6 pints of **Basagran 5L** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later.

Common Groundsel

Apply 1.6-2.4 pints of **Basagran 5L** per acre when plants are less than 3 increstall. Add oil concentrate to the spray solution of **Basagran 5L**/water according to the **Directions for use-all crops**.

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Appendix For Broadleaf Weeds

Common Name	Scientific Name
Arrowbead	Sanittaria son
Balloonvine	Cardiospermum halicacabum
Beggarticks	Bidens frondosa
Bindweed, Field	Convolvulus arvensis
Bindweed, Hedge	Convolvulus sepium
Bristly Starbur	Acanthospermum hispidum
Burcucumber	Sigyos angulatus
Butterprint (see Velvetleaf)	
Buttonweed (see Velvetleal)	Circle and and a
Canada Thisue	Citcullus vulearia
Cocklebur	Xanthium strumarium
Coffee Senna	Cassia occidentalis
Common Chickweed	Stellaria media
Common Lambsquarters	Chenopodium album
Common Purslane	Portulaca oleracea
Crotalaria	Crotalaria spectabilis
Dandelion	Taraxacum officinale
Dayflower	Commelina spp.
Duelisciaw	V Probiscidea iouisianica
Ducksalau Eastern Black Nightshade	Solenum ntvcenthum
Elorida Bennarweed	esmodium tortuosum
Florida Puslev	Richardia scabra
Jalinsoga	Galinsoga spp.
j Goldenrod, Western	Solidago occidentalis
Gooseweed	Sphenoclea zeylanica
Groundsel, Common	Senecio vulgaris
Jimsonweed	Datura stramonium
Kochia	Rochia scopana Delugenum persicería
Marshelder	lva vanthiofolia
Mayweed/Dogfennel	Anthemis cotula
Musk Thistle	Carduus nutans
Morningglory, Tall (Common)	l Ipomoea purpurea
Momingglory, Cypressvine	l Ipomoea quamoclit
Morningglory, Entireleat	Ipomoea hederacea
Momingology hadoof	Var. Intergriuscula Ioomooo bodoracoa
Momingulov, Reimleaf	l loomoea wrightii
Morningolory, Pitted	lpomoea lacunosa
Morningalory, Purple Moonflower	Ipomoea muricata
Morningglory, Smallflower	Jacquemontia tamnifolia
Mouse-ear Chickweed	Cerastium vulgatum
Nightshade, Black	Solanum nigrum
Nightshade, Hairy	Solanum sarachoides
Pennsylvania Smanweed	Amaranthus retroflexus
Pigweed, neurou	Amaranthus hybridis
Plantain	Plantago spp.
Prickly Sida or Teaweed	Sida spinosa
Ragweed, Common	Ambrosia artemisiifolia
Ragweed, Giant	Arnbrosia trifida
Redstem	Ammannia spp.
Redweed	Melochia corchorifolia
Shophardepurse	Cancella hursa-naetorie
Sicklenod	Cassia obtusifolia
Spurge	Euphorbia maculata
Spurred Anoda	Anoda caristata
Tropic Croton	Croton glandulosus
Velvetleaf	Abutilon theophrasti
Venice Mallow	Hibiscus trionum
Waterhemp, fall	Amaranthus tuberculatus
Waterplantain, Common	Alisina ulviale Polygonum convolviulus
Wild Mustard	Sinansis arvensis
Wild Poinsettia	Euphorbia heterophvlla
Wild Sunflower	Helianthus annuus

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Common Name	Scientific Name
Annual Sedges	Cyperus spp.
Bulrush, River	Scirpus fluviatilis
Bulrush, Roughseed	Scirpus mucronatus
Spikerush	Eleocharis macrostachya
Umbrellaplant, Smailflower	Cyperus difformis
Yellow Nutsedge	Cyperus esculentus

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