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BASF

ACCEPTED
OCT 20 1992
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7969-45

Basagran®
herbicide

postemergence herbicide

A soluble liquid formulation containing:

Active ingredient:	
Sodium salt of bentazon*	42.0%
Inert ingredients	58.0%
Total	100.0%

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

EPA Reg. No. 7969-45

KEEP OUT OF REACH OF CHILDREN.

CAUTION

Statement of practical treatment
Avoid contact with eyes or skin. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. May cause allergic skin response.
First aid: If contacted, flush eyes immediately with water for at least 15 minutes. Call a physician.

Net contents 1 gallon

BASF Corporation Agricultural Products
P.O. Box 13528, Research Triangle Park, NC 27709

Specimen Label

Table of contents

3 of 39

Environmental hazards

Do not apply directly to waters or wetlands **except** as noted under **Rice–Directions for use.**

Do not contaminate water when disposing of equipment wash waters.

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.

The use of this product may pose a hazard to certain federally designated endangered species known to occur in specific areas within the **California** counties of Merced, Sacramento, and Solano. Before using this product in these counties, you must obtain the EPA Endangered Species Bulletin specific for these areas. The bulletin (EPA/ES-85-8) is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters, or the Regional Office of the U.S. Fish and Wildlife Service (Portland, Oregon). **The use of this product is prohibited in these counties unless specified otherwise in the bulletin.**

Storage and Disposal
Do not allow product to freeze. Do not contaminate water food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
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 and local authorities by burning. If burned stay out of smoke.
Do not re-use empty container.
Bulk/Mini-Bulk Containers: 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 emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital)
3. BASF Corporation 800-832-HELP

Directions for use–all crops

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

Read the precautionary statement, environmental hazards, storage and disposal statements, and Conditions of sale and warranty statement appearing on the container label

General information
Basagran® Herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges. (See **Directions for use** for specific crops and weeds.) **Basagran** does not control grasses. **Basagran** 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. Labeled crops are tolerant to **Basagran**; however, some leaf-speckling and leaf-bronzing may occur under certain conditions. (See **Restrictions and limitations** for each crop.)

Timing of applications
Apply **Basagran** 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 to weeds 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** in the following northern and western states: AZ, CA, CO, CT, IA, ID, IL, IN, KS, KY, MA, ME, MI, MN, MO, MT, NE, ND, NH, NJ, NV, NY, OH, OR, PA, RI, SD, UT, VT, WA, WI, WV, WY.

Cultivation may put weeds under stress and reduce control obtained. Timely cultivation 2-3 weeks after applying **Basagran** may assist weed control.

Water volume and spray pressure
Apply recommended rates of **Basagran** as follows:

Ground equipment: Use a minimum of 20 gallons of water per broadcast acre and a minimum of 40 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 pressure. 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** 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** 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** 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® herbicide** 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 (see the following page), 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** 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** for information concerning successful local experience prior to purchasing any oil concentrate.

Do not add a nitrogen solution (UAN or AMS) to **Basagran** plus **Blazer® herbicide** when oil concentrate is included in the spray tank.

Do **not** add oil concentrate to **Basagran** 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 solution (ammonium sulfate) may be added to **Basagran** 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** when velvetleaf is the primary target weed. **Basagran** 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** 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** for information concerning successful local experience prior to using UAN solution. Do not use brass or aluminum nozzles when spraying **Basagran** plus UAN solution.

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**. 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** 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** for use on rice, peanuts or mint.

Rate of UAN Solution:
Ground application–½-1 gallon/Acre
Air application–½ gallon/Acre

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
Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add **Basagran;** 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 gals./A spray volume use 3⅓ cups (800 ml) of water.
   Air application–For 5 gals./A spray volume use ⅚ cup (200 ml) of water, **or**, for 10 gals./A spray volume use 1⅔ cups (400 ml) of water.
   For other spray volumes, adjust proportionately to above.
   Add ⅔ the volume of water to the jar.
3. **Amount of herbicide(s) and oil concentrate and/or UAN to add:** Add herbicides and oil concentrate and/or UAN at the rate of 1 teaspoon (5 ml) for each pint of recommended label rate
4. **Add components in following sequence,** gently mixing between component additions:
   1) Dry products (dry flowables and wettable powders) when applicable.
   2) **Basagran** and, when applicable, other water miscible products (such as **Blazer**), liquid fertilizers and/or liquid flowables.
   3) Oil concentrate.
   4) **Poast® herbicide** or other emulsifiable concentrates when applicable.
   5) Add remaining volume of water.
5. **Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate

*Not applicable in California

6. **Evaluation:** An ideal tank mix combination will be uniform; thus, the suitability of the oil concentrate is questionable if any of the following are observed:
   Free oil at the surface–film or globules.
   Flocculation–fine particles which may be suspended in the liquid or found as a precipitated layer at the bottom of the jar.
   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 lb/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** 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 **Basagran** 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** if crops show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide applications. This injury may be enhanced and/or prolonged.

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

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

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

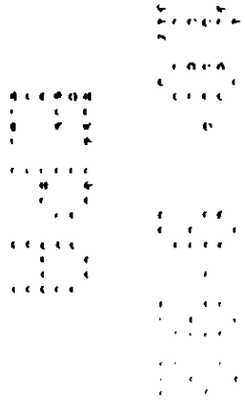
Do not apply directly to water or wetlands **except** as noted under Rice use directions.

Do not contaminate water when disposing of equipment wash waters.

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

BASF does not recommend the use of **Basagran** tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Reduced efficacy, physical incompatibility or crop injury may result from mixing **Basagran** 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® 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** 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** if the proper application timing of the insecticide coincides with the application timing of **Basagran**. Insecticides that may be used are Furadan® 4F, Pounce®, Pydrin®, dimethoate, and Lorsban® 4E. Do not tank mix **Basagran** with malathion or Sevin®. The tank mix addition of an insecticide to **Basagran** 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** may vary and these conditions may reduce good mixing quality It is recommended that before a tank mix of **Basagran** plus an insecticide is mixed, a jar test should be conducted following the directions in the section entitled **Jar test for estimating suitability of mixes**.

Restrictions and limitations (partial list)

Do not apply more than a total of 4 pints of **Basagran** per acre in one season.

Do not graze or cut treated soybean fields for forage or hay, for at least 30 days after the last treatment of **Basagran**.

Table 1 Application Rate Table for Soybeans

Weeds Controlled	Application Rates for Weed Growth Stages					
	1 Pint per Acre*		1½ Pints per Acre		2 Pints per Acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height	Leaf Stage	Maximum 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	-	–	- -	-	Up to 1** Pinnate	2"
Common Lambsquarters*	Up to 4**	1"	Up to 6**	1½"	4 8**	2"
Common Purslane	-	--	Up to 4	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"	Up to 6	6"	6-10	10"
Ladysthumb	Up to 4	4"	Up to 6	6"	6 10	10"
Marshelder	---	--	Up to 4	2"	Up to 8	4"
Pennsylvania Smartweed	Up to 4	4"	Up to 6	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*	Up to 4	2"	Up to 6	5"	4-6	6"
Venice Mallow	Up to 4	2"	Up to 6	2"	6–10	4"
Wild Buckwheat	---	---	Up to 4	3"	4-6	5"
Wild Mustard	Up to 4	2"	Up to 6	4"	6--10	8"
Wild Poinsettia	--	-	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 height or leaf stage indicated If regrowth develops, make a second application of 1 pint 7 to 14 days after the first application (This rate not applicable in California)

** Add 1 25% v/v (2 pts /A maximum) oil concentrate See **Addition of nitrogen solution (UAN or AMS) for velvetleaf and other weeds.**

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

b Control may be partial or inconsistent

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

d Do not treat rosette before seed stalk appears

e 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**

Special Directions for Other Weed Problems in Soybeans

Annual Morningglories

South: (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, VA) To control smallflower and cypressvine morningglories, apply a single application of either 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height, **or** 2 pints of **Basagran** per acre to plants not larger than 6 true leaves and 6 inches in height. Add oil concentrate to the spray solution with **Basagran** (see section **Addition of nitrogen solution (UAN or AMS for velvetleaf and other weeds).**

To control palmleaf, pitted, tall (common), entireleaf, purple moonflower, and ivyleaf morningglories, apply 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height (14 to 18 days after morningglory emergence). Make a second application at the same rate 5 to 14 days later.

All states other than the South (see above): Apply 2 to 3 pints of **Basagran** 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**/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** is applied to morningglories before they exceed the maximum size recommended on this label.

Canada Thistle

Apply 2 pints of **Basagran** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7 to 10 days later. Add oil concentrate to the spray solution of **Basagran** (see section **Addition of oil concentrate**).

Yellow Nutsedge

Two applications are preferred for best results. Apply 1½ to 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. If needed, make a second application at the same rate 7 to 10 days later. Add oil concentrate to the spray solution of **Basagran** (see section **Addition of oil concentrate**).

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

For suppression of field and hedge bindweed, apply 2 to 3 pints of **Basagran** per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of **Basagran**/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 2 to 3 pints of **Basagran** per acre to plants up to 24 inches tall or, for best results, apply 1½ pints of **Basagran** per acre to plants up to 24 inches tall, repeat 10 to 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 3 pints per acre of **Basagran** plus 1 quart of oil concentrate and 1 gallon of UAN solution to velvetleaf plants up to 12". For best results, apply 1½ pints per acre of **Basagran** plus 1 quart 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

Use the following chart as a guide to determine broadleaf weeds and grasses controlled by **Basagran® herbicide** alone and various tank mixes with **Basagran.**

Basagran Tank Mixes* Guide to Additional Weeds Controlled	
Basagran Controls Weeds Listed in Table 1 Additional Weed Control by Tank Mixing with BASAGRAN	**Refer to Table Listed Below for Rate, Weed Size and Additive Information**
Blazer® herbicide	
Black Nightshade Common Ragweed (larger growth stage) Crotalaria Morningglories Pigweed, Redroot , Smooth Sesbania Tall Waterhemp	**Basagran** + **Blazer** Tables 2, 3, and 4 Pages 9-10
Pinnacle® herbicide	
Pigweed, Redroot , Smooth Tall Waterhemp	**Basagran** + Pinnacle Table 11 Page 18
Pursuit® herbicide	
Barnyardgrass Crabgrass, Large , Smooth Foxtails Johnsongrass, Seedling Shattercane	**Basagran** + Pursuit Table 12 Page 19
Reflex® 2LC herbicide	
Black Nightshade Common Ragweed Crotalaria Morningglories Pigweed, Redroot , Smooth Sesbania Tall Waterhemp	**Basagran** + Reflex 2LC Page 11
2,4-DB	
Morningglories (ivyleaf, tall, and entireleaf) Vines up to 6" long	**Basagran** + 2,4-DB Table 5 Page 12
Scepter® herbicide	
Pigweed, Redroot , Smooth Tall Waterhemp Wild Sunflower	**Basagran** + Scepter Table 6 Page 13
Poast® herbicide	
Barnyardgrass Broadleaf Signalgrass Crabgrass, Large , Smooth , Woolly Foxtail, Giant , Green , Yellow Goosegrass Junglerice Panicum, Fall , Texas Red Sprangletop Seedling Johnsongrass Volunteer Corn Wild Proso Millet Witchgrass	**Basagran** + **Poast** Table 7 Page 14
Poast® + Blazer® herbicides	
See weeds listed above for **Poast** and **Blazer**	**Basagran** + **Poast** + **Blazer** Table 8 Page 16
Early Spot Spray	
	Basagran + **Poast** + **Blazer** Table 9 Page 16

*Tank mixes not applicable in California

BASAGRAN and BLAZER Tank Mixes*–Soybeans

General and 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: 1-2 pints/A
Blazer: ½ pint/A
Additional weeds controlled: pigweeds (redroot and smooth) and tall waterhemp.

Table 3–All states (except California)
Basagran: 1-2 pints/A
Blazer: 1 pint/A
Additional weeds controlled: Listed in **Table 3**

Table 4–Southern States
Basagran: 1 pint/A
Blazer: 1 pint/A
Weeds controlled: Listed in **Table 4**.

Time of application
The timing of all applications of **Basagran** 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 **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.

Restrictions and limitations (partial list)
Read and follow restrictions and limitations on the **Basagran** 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 labels for **Blazer**).

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

*Tank mixes not applicable in California.

Table 2
Northern States*
BASAGRAN + BLAZER Tank Mix Additional Weed Control – Soybeans
Rate and Time of Application

Product	Product Rate	Weeds Controlled/Weed Size			Additive (Rate)
Basagran	1-2 pints/A according to weed species and size (See **Table 1,** Page 6).	Apply rate of **Basagran** according to weed sizes in **Table 1.**			Oil Concentrate (2 pints/A) or nitrogen solution (UAN solution 0.5-1.0 gallon/A or AMS 2.5 lb/A)* if velvetleaf is the primary weed target and lambs-quarters or common ragweed are not a problem **Note:** Do not include Oil Concentrate with nitrogen solutions when tank mixing **Basagran** with **Blazer.**
— plus —	— plus —		**Leaf Stage**	**Max. Height**	
Blazer	½ pints/A	Pigweeds* (Redroot and Smooth)	Up to 4	<2"	
		Tall Waterhemp	Up to 4	<2"	

* See **Table 4** for control of additional weeds.
* 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 Co. and south)
* See section **Addition of nitrogen solution**, page 4.
* Apply tank mix early, when weeds are small and actively growing and before weeds reach maximum height listed.

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Table 3
All States*
BASAGRAN + BLAZER Tank Mix Additional Weed Control–Soybeans
Rate and Time of Application

Product	Product Rate	Weeds Controlled/Weed Size			Additive (Rate)
Basagran	1-2 pints/A according to weed species and size (See **Table 1,** Page 6)				Oil Concentrate** (2 pints/A max) 1.25% v/v or nitrogen solution (UAN solution 0.5-1.0 gal/A or AMS 2.5 lb/A•)
plus	**plus**		**Leaf Stage**	**Max. Height**	
Blazer	1 pint/A	Black Nightshade	Up to 2	<2"	If Velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem.
		Common Ragweed†	Up to 10	6"	
		Crotalaria	Up to 6	6"	
		Giant Ragweed†	Up to 10	6"	
		Morningglories***	Up to 2	2"	
		Redroot Pigweed	Up to 6	<4"	
		Sesbania	Up to 4 pinnate	6"	**Note:** Do not include Oil Concentrate with nitrogen solutions when tank mixing **Basagran• herbicide** with **Blazer• herbicide.**
		Smooth Pigweed	Up to 6	<4"	
		Tall Waterhemp	Up to 6	<4"	

†Requires 2 pints **Basagran.**
*Except California.
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 1½ pint rate of **Basagran**
•See section **Addition of nitrogen solution**, page 4.

Table 4
Southern States*
BASAGRAN + BLAZER Tank Mix Additional Weed Control–Soybeans
Rate and Time of Application

Product	Product Rate	Weeds Controlled	Leaf Stage	Weed Size Maximum Height	Additive (Rate)
Basagran	1 pint/A	Black Nightshade	Up to 2	<2"	Oil Concentrate 1.25% v/v (1 pint/A max.)
		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"	
		Jimsonweed	Up to 6	6"	
		Ladysthumb	Up to 6	6"	
		Morningglories*	Up to 2	2"	
		Pennsylvania Smartweed	Up to 6	6"	
		Prickly Sida (Teaweed)	Up to 4	2"	
		Redroot Pigweed	Up to 6	<4"	
		Redweed	2-4	3"	
		Sesbania	Up to 4	6"	
		Smooth Pigweed	Up to 6	<4"	
		Spurred Anoda*	Up to 4	2"	
		Tall Waterhemp	Up to 6	<4"	
		Velvetleaf*	Up to 4	2"	
		Venice Mallow	Up to 6	2"	
		Tropic Croton	2	<2"	
		Woolly Croton	2	<2"	
		Wild Mustard	Up to 6	4"	

*For more consistent control, increase rate of **Basagran** to 1½ pints
•Southern states, for the purpose of this table, are AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX, VA and Southeastern MO (Jefferson CO and south)
•Do not treat earlier than the two-leaf stage and do not count cotyledon leaves
*For common (tall) morningglory, increase rate of **Basagran** to 1½ pints

BASAGRAN + Reflex 2LC Tank Mix-Soybeans

General and application information, Restrictions and limitations

General information

A tank mix of **Basagran** and Reflex® 2LC herbicide may be applied for postemergence control of the major troublesome broadleaf weed species in soybeans.

Basagran and Reflex 2LC are selective postemergence herbicides which control annual broadleaf weeds. Apply the tank mix to actively growing weeds. Refer to this label and the Reflex 2LC 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 may be used in the tank mixes at rates of 1-2 pints/A in each of the regions listed for Reflex 2LC. Refer to tank mix table below for the recommended use rate of Reflex 2LC in Regions 1, 2, and 3. Geographic description of these regions is included in the Reflex 2LC label.

Application Rates for BASAGRAN and Reflex 2LC in Tank Mix

Region*	Basagran**	Reflex 2LC**	Oil Concentrate
1	1-2 pts /A	1-1½ pts /A	1 qt /A
2	1-2 pts /A	¾-1¼ pts /A	1 qt /A
3	1-2 pts /A	¾-1 pt./A	1 qt /A

*See the Reflex 2LC label for states or part of states included in regions
**Consult labels for each product for specific weeds controlled

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 2LC can be applied only in the states or parts of states included in Regions 1, 2, & 3 as described on the Reflex label **Do not apply Reflex 2LC to any field in Regions 2 & 3 more than once every two years.**
- A maximum of 1.5 pints (0.375 lb. ai) per acre of Reflex 2LC may be applied per growing season for soybeans in Region 1. A maximum of 1.25 pts. (0.313 lb. ai) per acre may be applied in alternate years in Region 2. A maximum of 1.0 pt. (0.25 lb. ai) per acre may be applied in alternate years in Region 3.
- Refer to Reflex 2LC label for recommendations concerning crop rotation.
- Do not apply a total of more than 4 pints of **Basagran** per acre in one season on soybeans.
- **Do not make more than one application of the BASAGRAN/ Reflex 2LC tank mix in a single season.**
- **Basagran** · Reflex 2LC tank mix requires a 4-hour rain-free period. Do not apply the tank mix if rain is threatening.
- Use of **Basagran** · Reflex 2LC 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 non-target 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).

BASAGRAN + 2,4-DB Tank Mix*–Soybeans

General and application information, Restrictions and limitations

General information
These directions are intended to provide the user of **Basagran® 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 **Directions for use–all crops**.

Mixing
Refer to **Directions for use–all crops.**

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** and 2,4-DB. The most restrictive labeling applies in tank mixes.

Use only amine formulations of 2,4-DB.

Do not add oil concentrate or any other additive (including nitrogen solution) to tank mix with 2,4-DB.

Do not apply more than 1 application of the 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.

Table 5
BASAGRAN + 2,4-DB Tank Mix
Additional Weed Control–Soybeans
Rate and Time of Application

Product	Product Rate	Weeds Controlled/Weed Size		Additive (Rate)
Basagran	1½-2 pints/A according to weed species and size (See **Table 1,** Page 6)	Apply rate of **Basagran** according to weed sizes in **Table 1.**		**Do not** add Oil Concentrate or any other additives (including nitrogen solution) to this tank mix
plus	**plus**			
2,4-DB (amine formulation)	2 fl. oz./A of Butoxone 200 or Butyrac 200. (0.03 pound ae*/A)	Morningglories Ivyleaf Tall (common) Entireleaf	Vines up to 6" long	

*Acid equivalent

BASAGRAN + Scepter Tank Mix*--Soybeans Northern States Only

General and application information, Restrictions and limitations

General information
The tank mix of **Basagran** plus Scepter® herbicide will control pigweeds, in addition to those weeds controlled by **Basagran**. Weeds must be actively growing and at the recommended growth stages.

Water volume and spray pressure
Refer to **Directions for use–all crops.**

Ground equipment: Use a maximum of 40 psi pressure. For additional directions refer to **Directions for use–all crops.**

Mixing
Refer to **Directions for use–all crops.**

Restrictions and limitations (partial list)
Read and follow the restrictions and limitations on the labels for **Basagran** and Scepter. The most restrictive labeling applies in tank mixes.

Observe all geographical and rotational crop restrictions on the label for Scepter.

*Tank mix not applicable in California.

Table 6
Northern States* BASAGRAN + Scepter Tank Mix Additional Weed Control–Soybeans Rate and Time of Application

Product	Rate	Weeds Controlled/Weed Size			Additive Rate
Basagran	1-2 pints/A according to weed species and size (See **Table 1**, page 6).	Apply rate of **Basagran** according to weed sizes in **Table 1**			Oil Concentrate (2 pints/A)
plus	**plus**		**Leaf Stage**	**Max. Height**	
Scepter	½ pint/A	Redroot Pigweed	Up to 6	3"	
		Smooth Pigweed	Up to 6	3"	
		Tall Waterhemp	Up to 6	3"	
		Wild Sunflower	Up to 6	3"	

*Northern states, for the purpose of this table, are the following states: IA, S. MI, S. WI, PA, NJ, DE, NE, KS, MD, WV, OH, IN, IL, and MO (except southeastern Jefferson Co. and south) See label for Scepter for list of approved states and parts of states.

BASAGRAN + POAST Tank Mix*–Soybeans

General and application information, Restrictions and limitations

General information

Basagran® 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** 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,** page 17.

Water volume and spray pressure

Ground equipment: Use a minimum of 10 gallons of total spray solution per acre (broadcast basis) and a minimum of 40 psi pressure. Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

Air equipment: Use a minimum of 5 gallons of total spray solution per acre.

Additives

At the low rate of **Poast** (1 pt./A) the additive **Dash® 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** (1½ pts./A) and either **Dash** or oil concentrate. To enhance weed control UAN (or ammonium sulfate) may also be added.

Mixing

Refer to **Directions for use–all crops.**

Restrictions and limitations (partial list)

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

Do not apply tank mix within 90 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 + POAST Tank Mix Additional Weed Control–Soybeans Rate and Time of Application

Product	Rate	Weeds Controlled/Weed Size				Dash or Oil Concentrate	UAN Solution or AMS
Basagran	1-2 pints/A according to weed species and size (See **Table 1**, Page 6)	**Broadleaves and Sedge**				--	--
		Apply **Basagran** according to weed sizes in **Table 1.**					
plus	**plus**	**Annual Grasses***					
Poast	1 pint/A	Fall Panicum	3-8"	Volunteer Corn	1-12"	**Dash** (2 pts.) **plus**	½-1 gallon UAN or 2½ lbs AMS
		Giant Foxtail	3-8"	Wild Proso Millet**	4-10"		
		Green Foxtail	3-8"	Witchgrass	3-8"		
				Woolly Cupgrass	3-8"		
or							
Poast	1½ pints/A***	Barnyardgrass	3-8"	Junglerice	3-8"	**Dash** (2 pts.) or Oil Concentrate (2 pts.) **plus**	½-1 gallon UAN or 2½ lbs AMS may be added to this tank mix
		Broadleaf Signalgrass	3-8"	Red Sprangletop	3-8"		
		Crabgrass, Large	3-6"	Seedling Johnsongrass	3-8"		
		, Smooth	3-6"	Texas Panicum	3-8"		
		segrass	3-6"	Yellow Foxtail	3-8"		

*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 ¾ pint/A
***The 1½ pt./A rate of **Poast** will also control all grasses listed at the 1 pint/A rate.

BASAGRAN + BLAZER + POAST Tank Mix*–Soybeans

General and application information, Restrictions and limitations

General information

Basagran®, Blazer®, and **Poast®* herbicides** may be tank mixed for postemergence control of broadleaf and grass weeds. 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, Separate Applications of Basagran.**

Water volume and spray pressure

Ground equipment: Use a minimum 20 gallons of total spray solution per acre (broadcast basis) and a minimum of 40 psi pressure. Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

Air equipment: Use a minimum of 10 gallons of total spray solution per acre.

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 the 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 + Blazer + Poast** tank mix.

Restrictions and limitations (partial list)

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

Do not apply tank mix within 90 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 UAN solution (or ammonium sulfate) when tank mixing **Basagran, Blazer** and **Poast**.

*Tank mix not applicable in California.

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Table 8
BASAGRAN + BLAZER + POAST Tank Mix Additional Weed Conti · oybeans or Peanuts
Rate and Time of Application

Product	Rate	Weeds Controlled/Weed Size***				Additive (Rate)
Basagran	1-2 pints/A according to weed species and size. (See **Table 1,** Page 6)	Apply **Basagran® herbicide** according to weed sizes in **Table 1.**				Oil Concentrate 1.25% v/v (2 pints/A max.) **Note:** Do **not** include UAN solution or AMS when tank mixing oil concentrate with **Basagran®** and **Blazer® herbicides.**
plus	**plus**					
Poast	1½ pints/A	Barnyardgrass Broadleaf Signalgrass Fall Panicum Giant Foxtail Goosegrass Green Foxtail Junglerice Large Crabgrass Red Sprangletop	3-8" 3-8" 3-8" 3-8" 3-6" 3-8" 3-8" 3-6" 3-8"	Seedling Johnsongrass Smooth Crabgrass*** Texas Panicum Wild Proso Millet* Witchgrass Woolly Cupgrass Yellow Foxtail**	3-8" 3-6" 3-8" 4-10" 3-8" 3-8" 3-8"	
plus	**plus**					
Blazer	½-1 pint/A Use ½ pint for pigweed (up to 2") only; 1 pint if other weeds at right are present		**Leaf Stage**	**Max. Height**		
		Black Nightshade	Up to 6			
		Common Ragweed	Up to 10	2"		
		Crotalaria	Up to 6	6"		
		Morningglories***	Up to 4	6"		
		Redroot Pigweed	Up to 6	4"		
		Sesbania	Up to 4 pinnate	<4" 6"		
		Smooth Pigweed	Up to 6			
		Tall Waterhemp	Up to 6	<4" <4"		

*For control of wild proso millet only, include **Poast® herbicide** in tank mix at ¾ pint/A.
**Tank mix does not control rhizome johnsongrass, quackgrass, bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice or itchgrass.
***For consistent control of common (tall) morningglory use the 1½ pints rate of **Basagran.**

Table 9
BASAGRAN + BLAZER + POAST Tank Mix
Soybeans or Peanuts
Spot Treatment Application Table

	Concentration in Spray Solution			
	Basagran	**Blazer**	**Poast**	**Oil Concentrate**
See annual grasses and broadleaves listed in **Table 8.**	1%	1%	1%	1%

Desired Spray Solution Volume	**Amount to be Added to Obtain a 1% Solution**	
	Poast	**Oil Concentrate**
1 Gallon	1¼ Fl. Oz.*	1¼ Fl. Oz.
25 Gallons	1 Qt.	1 Qt.
50 Gallons	2 Qts.	2 Qts.
100 Gallons	4 Qts.	4 Qts.

*2 Tablespoons = 1 Fl. Oz.

Soybeans–Separate Applications of BASAGRAN or BASAGRAN + BLAZER Tank mix* Preceded or Followed by POAST.

Applications of **Basagran** or **Basagran** tank mixed* with **Blazer** can be preceded or followed by **Poast** to obtain broad spectrum control of weeds listed on the respective product labels (refer to this label and labels for **Poast** and **Basagran + 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 mixes not applicable in California.

Table 10
Soybeans or Peanuts
Separate Applications of BASAGRAN or BASAGRAN + BLAZER Tank Mix* Preceded or Followed by POAST

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

*Tank mixes not applicable in California

BASAGRAN + Pinnacle Tank Mix–Soybean

General and application information, Restrictions and limitations

General information
The tank mix of **Basagran** plus Pinnacle* herbicide will control certain weeds not controlled by **Basagran** or Pinnacle alone (See **Table 1).**

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** + 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.

Water volume and spray pressure
Apply recommended rates of this tank mix as follows:

Ground equipment
Broadcast application: Use a minimum 20 gallons of water per acre on a broadcast basis. Use flat fan nozzles with a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line). Do not use flood, hollow cone, whirl chamber, Raindrop® or controlled droplet application (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 for aerial applications.

Addition of additives
Applications of **Basagran** 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 SURFACTANT, 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. DO NOT USE **Dash* spray adjuvant.**

Under dry conditions or during cool weather, a crop oil concentrate at 0.5% v/v (4 pints/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.

The addition of ammonium nitrogen fertilizer is required for control of velvetleaf. Use a high quality liquid nitrogen fertilizer such as 28-0-0 at a rate of 2–4 quarts per acre or 10-34-0 at a rate of 1–2 quarts per acre. Alternatively, a high quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate 2–4 pounds per acre. The addition of ammonium nitrogen fertilizer does not replace the need for a surfactant. Use the lower rate of nitrogen fertilizer for aerial applications.

BASAGRAN + Pinnacle Tank Mix–Soybeans

Weeds Controlled	BASAGRAN 1½ pt./A + Pinnacle ¼ oz./A Height (inches)	BASAGRAN 1½ pt./A + Pinnacle ⅛ oz./A Height (inches)	BASAGRAN 1 pt./A + Pinnacle ¼ oz./A Height (inches)	Additive Rate*
Cocklebur	2–6"	2–6"	2–4"	Nonionic surfactant at 0.125–0.25% v/v (1-2 pts / 100 gals. spray solution)
Common Lambsquarters	2–4"	–	2–4"	
Jimsonweed	2–6"	2–6"	2–6"	
Ladysthumb	2–6"	2–6"	2–6"	
Pennsylvania Smartweed	2–6"	2–6"	2–6"	
Redroot Pigweed	2–8"	2–4"	2–6"	
Smooth Pigweed	2–8"	2–4"	2–6"	
Tall Waterhemp	2–8"	2–4"	2–6"	
Velvetleaf	2–5"	2–5"	2–5"	
Venice Mallow	2"	2"	2"	Nitrogen** solution
Wild Buckwheat	2–3"	2–3"	–	
Wild Mustard	Up to 4"***	Up to 4"***	Up to 4"***	
Wild Sunflower	2–6"	2–4"	2–4"	

*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 additives.
***Diameter.

Restrictions and limitations (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 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 this tank mix through any type of irrigation system.

Do not cultivate within seven days before or after application of this tank mix.

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 label's for details.

Do not tank mix with organophosphate insecticides.

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 label for Pinnacle "Sprayer Cleanup."

BASAGRAN + Pursuit Tank Mix–Soybean

General and application information, Restrictions and limitations

General Information

The tank mix of **Basagran® herbicide** plus Pursuit® herbicide will control certain weeds not controlled by **Basagran** 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 to 28 days after planting. Soybeans are tolerant to the tank mix of **Basagran** plus Pursuit 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.

Water volume and spray pressure

Apply recommended rates of this tank mix as follows:

Ground equipment only: Use a minimum 20 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.

Restrictions and limitations (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** 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 this tank mix by aerial application.

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.

Table 12
BASAGRAN + Pursuit Tank Mix—Soybeans

Product	Product Rate	Weeds Controlled	Maximum Weed Size	Additive (Rate)*
Basagran		Barnyardgrass	3"	Nonionic surfactant 0.25% v/v (1 qt./100 gals.)*
	1½ pints per acre	Cocklebur	8"	
+		Common Lambsquarters	2"	
		Foxtails, Giant	3"	
Pursuit		. Green	3"	**plus**
		. Giant green	3"	
	4 ounces per acre	. Robust purple	3"	nitrogen solution** UAN (2 qts./A) or AMS (17 lbs./100 gals.)
		. Robust white	3"	
		. Yellow	3"	
		Jimsonweed	6"	
		Johnsongrass, Seedling	3"	
		Kochia	4"	
		Ladysthumb	6"	
		Large Crabgrass	3"	
		Marshelder	3"	
		Morningglory spp.*	2"	
		Nightshade, Black	3"	
		. Eastern black	3"	
		. Hairy	3"	
		Pennsylvania Smartweed	6"	
		Prickly Sida/Teaweed	3"	
		Red Rice	3"	
		Redroot Pigweed	8"	
		Shattercane	3"	
		Smallflower Morningglory	3"	
		Smooth Crabgrass	3"	
		Smooth Pigweed	8"	
		Tall Waterhemp	8"	
		Velvetleaf	5"	
		Venice Mallow	2"	
		Wild Buckwheat	3"	
		Wild Mustard	4"	
		Wild Sunflower	5"	

*Use a nonionic surfactant containing at least 80% active ingredient. **Dash® spray adjuvant** may be substituted at 1 qt./A for the nonionic surfactant. **Dash** is recommended when weeds are subject 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.
. Morningglory species controlled: entireleaf, ivyleaf, pitted, tall.

Corn, Sorghum–Directions for use

Apply **Basagran® herbicide** when weeds are small and actively growing and before weeds reach the maximum size listed in the **Application Rate Table for Corn, Sorghum.** Such applications generally correspond to the crop growth stages of one to five leaves. Corn is tolerant to **Basagran** at all stages of growth Sorghum is tolerant to **Basagran** 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. Corn types included are 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 4 pints per acre in one season in corn or 2 pints per acre in one season in sorghum.

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

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**.

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

Table 13
Application Rates for Corn, Sorghum

Weeds Controlled	Application Rates for Weed Growth Stages*			
	1½ Pints per Acre		2 Pints per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Beggarticks	Up to 6	6"	6-8	8"
Bristly Starbur	Up to 4	2"	4-6	3"
Cocklebur	2-6*	6"	6-10	10"
Common Lambsquarters†	—	—	4-8**	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 6	6"	6-10	10"
Ladysthumb	Up to 6	6"	6-10	10"
Pennsylvania Smartweed	Up to 6	6"	6-10	10"
Prickly Sida or Teaweed	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"
Venice Mallow	Up to 6	2"	6-10	4"
Wild Buckwheat	Up to 4	3"	4-6	5"
Wild Mustard	Up to 6	4"	6-10	8"
Wild Sunflower	Up to 4	5"	4-6	8"

*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. 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
†Control may be partial or inconsistent
††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** (see page 4)

2-10-29

Special Directions for Other Weed Problems in Corn

Morningglories
South: (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, VA) To control smallflower and cypressvine morningglories apply a single application of either 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height, **or** 2 pints of **Basagran** per acre to plants not larger than 6 true leaves and 6 inches in height.

To control palmleaf, pitted, tall (common), entireleaf, ivyleaf and purple moonflower morningglories, apply 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height (14 to 18 days after morningglory emergence). Make a second application at the same rate 5 to 14 days later.

All states other than the South (see above): Apply 2 to 3 pints of **Basagran** 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**/water.

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

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

Canada Thistle
Apply 2 pints of **Basagran** per acre when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7 to 10 days later

Yellow Nutsedge
Two applications are preferred for best results. Apply 1½ to 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. If needed, make a second application at the same rate 7 to 10 days later. Add Oil Concentrate to the spray solution of **Basagran**/water for each application (see section **Addition of oil concentrate**)

Field and Hedge Bindweed in KY, IL, IN, MI, OH only.
For suppression of field and hedge bindweed, apply 2 to 3 pints of **Basagran** per acre when vines are a maximum of 10 inches long.

Add oil concentrate to the spray solution of **Basagran**/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. Very thorough spray coverage is essential. Apply a single application of 2 to 3 pints of **Basagran** per acre to plants up to 24 inches tall or, for best results, apply 1½ pints of **Basagran** per acre to plants up to 24 inches tall and repeat 10 to 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 2 pints of **Basagran** 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**/water, according to **Addition of oil concentrate** section

Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that **Basagran** is applied to morningglories before they exceed the maximum size recommended (see page 20).

Canada Thistle
Apply 2 pints of **Basagran** per acre when plants are from 8 inches tall to the bud stage. Control may be partial or inconsistent

Yellow Nutsedge
Apply 1½ to 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. Add oil concentrate according to section **Addition of oil concentrate.** Control may be partial or inconsistent

Basagran plus Atrazine Tank Mix–Corn and Sorghum

The tank mix of **Basagran® herbicide** 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 or Sorghum.**

Atrazine products compatible with **Basagran** include AAtrex® 80W, AAtrex® 4L, and AAtrex® Nine-O herbicides. Refer to the respective atrazine labels for additional directions and limitations. **Always add** nitrogen solution or oil concentrate according to sections regarding addition of oil concentrate or addition of nitrogen solution.

Mixing and spray equipment: Use intake, in-line, or nozzle screens no finer than 50 mesh. Fill tank of a thoroughly clean sprayer half to two-thirds full of clean water. Start agitation. Add atrazine and allow to wet and mix thoroughly. Maintain agitation and add **Basagran** and nitrogen solution, and/or oil concentrate; allow to mix. **Dash® 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. Always clean sprayer thoroughly 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 one to five 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 depending 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** and 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 4 pints of **Basagran** per acre in one season in corn or 2 pints of **Basagran** 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 system.

33 of 79

Table 14

Acreage Conversion Table										
Tank Mix Rate Recommendation (lb ai/A)*	Amount of Formulated Product									
	Basagran	Atrazine (AAtrex)								
	1 Acre	1 Acre			10 Acres			50 Acres		
	Pts.	80W Lbs.	Nine-0 Lbs.	4L Pts.	80W Lbs.	Nine-0 Lbs.	4L Pts.	80W Lbs.	Nine 0 Lbs.	4L Pts.
0.42 + 0.42	0.84	0.525	0.46	.84	5.25	4.6	8.4	26.25	23.0	42
0.5 + 0.5	1	5/8	6/10	1	6 1/4	6	10	31 1/2	30	50
0.75 + 0.75	1 1/2	1	9/10	1 1/2	10	9	15	50	45	75
*According to weed growth stage indicated in table below.										

Table 15
Application Rates for Tank Mix of
BASAGRAN + Atrazine for Corn and Sorghum

Weed Controlled	Application Rates for Weed Growth Stages*					
	0.42 + 0.42 lb. ai/A*		0.5 + 0.5 lb. ai/A*		0.75 + 0.75 lb. ai/A*	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Beggarticks					Up to 6	6"
Bristly Starbur					Up to 4	2"
Cocklebur	2-4**	3"	2-10**	8"	2-10**	8"
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"
Giant Ragweed			Up to 4	4"	4-6	6"
Jimsonweed	2-4	3"	Up to 6	6"	6-10	3"
Kochia			–	4"	–	4"
Ladysthumb	2-6	4"	Up to 10	10"	10-14	12"
Morningglory, Annual			Up to 4	4"	4-6	6"
Morningglory, 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 10	6"
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"
Velvetleaf•	2-4	3"	Up to 8	8"	8-10	10"
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"
Wild Sunflower			Up to 5	6"	4-6	8"

Other weeds. Other weeds listed on the label for **Basagran** at the 3/4 pound rate will also be controlled with the 3/4 plus 3/4 pound **Basagran** + 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 quart of **Dash** for all weeds except common ragweed When common ragweed predominates, use oil concentrate. See sections **Addition of nitrogen solution** or **Addition of oil concentrate.**

**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.**

Rice–Directions for use (Not for use in California)

Apply **Basagran**® **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 has no adverse effect on rice when used according to directions and may be used on the first and second (ratoon) crops. If grasses are a problem, use propanil in tank mix with **Basagran** (see below).

For optimal coverage when applying **Basagran** 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** with 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** must be made when there is no water on the field and 24 hours or more prior to flooding. If **Basagran** cannot be applied until after flooding see directions under **Continuous flooding culture**.

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**. 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** off weed leaf surfaces and ineffective control may result.

Restrictions and limitations

Rice straw may be fed to livestock.

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

Do not apply more than 6 pints of **Basagran** per acre in one season (Maximum of 4 pints per acre in first crop and 2 pints per acre in second [ratoon] crop.)

Do not use **Basagran** on rice fields in which the commercial cultivation of catfish or crayfish is practiced.

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

Do not contaminate water when disposing of equipment washwaters.

Tank mix with Propanil

Use a tank mix of **Basagran** + 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** to half the final volume of water with agitator running. Then add propanil and bring mix to final volume. Agitation must be continuous from time of mixing through spraying.

Apply **Basagran** at a rate up to 2 pints per acre per application. Do not apply more than 4 pints of **Basagran** per acre on the first rice crop. Use up to 5 pounds active ingredient (a.i.) of propanil* for additional broadleaf weed control and grass control with **Basagran.**

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**/propanil by air, orient all nozzles straight back in accordance with the propanil label.

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

Do not use crop oil concentrate with this tank mix.

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

*Propanil products compatible with **Basagran** are Prosta, 4E (4 lbs a.i./gal.); STAM M-4 (4 lbs a.i./gal.), and STAM 80 EDF (0.8 lbs a.i./lb.)

Table 16
Application Rates for Rice–Drained Fields

Weeds Controlled (All Stage)	Application Rates For Weed Growth Stages			
	1½ Pts. per Acre*		2 Pts. per Acre*	
	Leaf Stage	Max. Height	Leaf Stage	Max 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	Up to 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				
Arrowhead	–	–	Up to 4	7"
Common	–	–	Up to 4	7"
Yellow Nutsedge	4-6	6"	6-8	10"

*If after the first application a second weed flush develops, re-treat according to this rate table
**Control may be partial or inconsistent.

Table 17
Application Rates for Rice–Flooded Fields

Weeds Controlled	Application Rates for Weed Growth Stages			
	1½ Pts. per Acre*		2 Pts. 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 application a second weed flush develops, re-treat according to this rate table

Apply **Basagran® herbicide** when weeds are small and actively growing and before weeds reach 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** 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** 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 the peanuts to injury from **Basagran**.

Do not apply more than a total of 4 pints of **Basagran** per acre in one season.

Peanut hay and forage may be fed to livestock.

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

Table 18
Application Rates for Peanuts

Weeds Controlled	Application Rates for Weed Growth Stages†					
	1 Pint per Acre††		1½ Pints per Acre		2 Pints per 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	—	—	—	—	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	—	—	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		—	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 according to this rate table.

††Apply before weeds reach the maximum size or leaf stage indicated. If regrowth develops, reapply 1 pint 7 to 14 days after the first application.

Special Directions for Other Weed Problems in Peanuts

Annual Morningglories

To control smallflower and cypressvine morningglories apply a single application of either 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height, **or** 2 pints of **Basagran** 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 1½ pints of **Basagran** per acre to plants not larger than 4 true leaves and 4 inches in height (14 to 18 days after morningglory emergence). Make a second application at the same rate 5 to 14 days later.

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

Yellow Nutsedge

Two applications are preferred for best results. Apply 1½ to 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. In Texas and Oklahoma use 2 pints.

If needed, make a second application at the same rate 7 to 10 days later. Add oil concentrate to the spray solution of **Basagran**/water, according to the section **Addition of oil concentrate**, page 4.

Late Cocklebur Rescue Treatment

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 2 to 3 pints of **Basagran** per acre to plants up to 24 inches tall or, for best results, apply 1½ pints of **Basagran** per acre to plants up to 24 inches tall and repeat 10 to 14 days later. Add oil concentrate according to the section **Addition of oil concentrate.**

BASAGRAN + 2,4-DB Tank Mix*–Peanuts

General and application information, Restrictions and limitations

General information

These directions are intended to provide the user of **Basagran** with instructions for tank mixing with 2,4-DB (such as Butyrac* 200 herbicide or Butoxone* 200 herbicides) to control entireleaf, tall (common), and ivyleaf morningglories in addition to all the other weeds listed in **Table 1**. 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 **Directions for use–all crops**

Ground Equipment: Refer to **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 a treatment is made 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** + 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** 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 + 2,4-DB Tank Mix Additional Weed Control –Peanuts
Rate and Time of Application

Product	Rate	Weeds Controlled/Weed Size		Additives
Basagran	1 to 2 pts A according to weed species and size (See **Table 1** Page 6.)	Apply **Basagran** according to weed sizes in **Table 1.**		**Do not** add Oil Concentrate or any other additives (including UAN solution) to this tank mix
plus	**plus**			
2,4-DB (amine formulation)	8 fl. oz. A of Butoxone 200 or Butyrac 200 (0.125 pound ae*/A.)	Morningglories Ivyleaf Tall (Common) Entireleaf	Vines up to 10" long	
*Acid equivalent				

BASAGRAN + BLAZER Tank Mix*–Peanuts

General and application information, Restrictions and limitations

General information

The tank mixes of **Basagran**® + **Blazer**® **herbicides** will control the weeds listed in **Tables 3** and **4**.

Table 20–All states
Basagran 1 pint/A
Blazer 1 pint/A

Table 21–All states for additional weeds or larger sizes
Basagran 1½-2 pints/A
Blazer 1 pint/A

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

Restrictions and limitations (partial list) for tank mix with BLAZER

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 + BLAZER Tank Mix– Peanuts
Rate and Time of Application

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

a For common ragweed up to 6 inches tall and 10 leaves use 1½ pints of **Basagran** with 1 pint of **Blazer**
b For common (tall) morningglory, increase rate of **Basagran** to 1½ pts
c **Blazer** may also be included in the tank mix at a rate of up to 2 pints per acre, however this will increase the severity and/or frequency with which peanut injury is observed
*For more consistent control, increase the rate of **Basagran** to 1½ pints/A
**If crotalaria or sesbania are present, add Triton AG-98 at the rate of ½ pint per 100 gallons of spray solution, but do not combine Triton AG-98 with oil concentrate

Table 21
All States (for Additional Weeds or Larger Weed Sizes)
BASAGRAN + BLAZER Tank Mix– Peanuts
Rate and Time of Application

Product	Rate[a]	Weeds Controlled/Weed Size			Additive (Rate)
Basagran	1½-2 pints/A according to weed species and size (See **Table 1,** Page 6)	Balloonvine Beggarticks Bristly Starbur Cocklebur Coffee Senna[b] Common Ragweed[b] Cypressvine Morningglory Dayflower Devilsclaw[b] Giant Ragweed Jimsonweed	Ladysthumb Marshelder Pennsylvania Smartweed Prickly Sida or Teaweed Smallflower Morningglory Spurred Anoda Tropic Croton Velvetleaf[b] Wild Sunflower Yellow Nutsedge[b]		Oil Concentrate[b]
— plus —	— plus —		**Leaf Stage**	**Max. Height**	
Blazer	1 pint/A	Black Nightshade	Up to 2	<2"	
		Citron	Up to 4	2"	
		Common Ragweed[b]	Up to 1[illegible]	6"	
		Crotalaria[b]	Up to 6	6"	
		Morningglories	Up to 2	2"	
		Pigweed, Redroot	Up to 6	3"	
		, Smooth	Up to 6	3"	
		Sesbania[b]	Up to 4 Pinnate	6'	
		Tall Waterhemp	Up to 6	3"	

a Choose the rate of **Basagran** (1½ or 2 pints per acre) according to the size and species of the weeds to be controlled with **Basagran** alone (see **Table 18, Application Rates for Peanuts**). Then add **Blazer** at the rate of 1 pint per acre, if needed, to control the additional weed species, 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 2 pints per acre; however, this will increase the severity and/or frequency with which peanut injury is observed.

b Add oil concentrate to the tank mix according to recommendations in **Table 18, Application Rate Table for Peanuts**, page 26. The addition of oil concentrate may increase the severity and frequency of peanut injury. If crotalaria or sesbania are present add Triton AG-98 at the rate of ½ pint per 100 gallons of spray solution. But do not mix Triton AG-98 with oil concentrate.

BASAGRAN + BLAZER + POAST Tank Mix* –Peanuts

General and application information, Restrictions and limitations

General information

Basagran*, 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: 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, Separate Applications.**

Refer to **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, Poast** and **Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 90 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, Blazer** and **Poast**.

*Tank mix not applicable in California.

BASAGRAN + Starfire® Tank Mix*—Peanuts

General and application information, Restrictions and limitations

The tank mix of **Basagran** plus Starfire will also control certain weeds not controlled by **Basagran** alone (see **Tank Mix Recommendation Table**)

Since this tank mix is effective mainly through contact action, thorough coverage of weeds is essential for effective weed control Large crop-and 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 the use of 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 an early flush of 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** + 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 and 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 while the agitator is running and add the recommended amount of **Basagran** Starfire and nonionic surfactant Then fill the remaining quantity of water

Restrictions and limitations (partial list)

Read and follow the restrictions and limitations on the labels for **Basagran** 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 as 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 22
BASAGRAN + Starfire Tank Mix—Peanuts
Rate and Time of Application

Product	Product Rate	Weeds Controlled	Weeds Growth Stages	Max. Height	Additive
			Leaf Stage		
Basagran	1 pint A	Ballonvine	2-4	2"	Use suitable nonionic surfactant at (0.125%) v/v 1pt 100 gallons water or as directed on respective label
		Beggarticks	Up to 6	6"	
		Bristly Starbur	Up to 4	2"	
		Cocklebur	2-6*	6"	
		Coffee Senna	Up to 1 Pinnate	2"	
		Common Ragweed	Up to 6	3"	
		Dayflower	Up to 4	4"	
		Devilsclaw	Up to 6	3"	
		Giant Ragweed	Up to 4	6"	
		Jimsonweed	Up to 6	6"	
		Ladysthumb	Up to 6	4"	
		Pennsylvania Smartweed	Up to 6	6"	
		Prickly Sida or Teaweed	Up to 4	2"	
		Spurred Anoda	Up to 6	3"	
		Tropic Croton	Up to 2	2"	
		Velvetleaf	Up to 4	2"	
		Wild Sunflower	Up to 4	5"	
—plus—	—plus—				
Starfire	0.69 pint/A (11 fl oz /A)	Crabgrass, Large	Up to 2	2"	
		Smooth	Up to 2	2"	
		Florida Beggarweed	Up to 4	4"	
		Goosegrass	Up to 2	2"	
		Morningglories	Up to 6	4"	
		Smallflower			
		Pigweed, Redroot	Up to 6	4"	
		Smooth	Up to 6	4"	
		Sicklepod	Up to 4	4"	
		Tall Waterhemp	Up to 6	4"	
		Texas Panicum	Up to 2	2"	

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

Beans (dry or succulent)–Directions for use

Apply **Basagran*** **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** 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 concentrate with **Basagran** may increase injury and may reduce yields.

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

Table 23
Application Rates for Beans (Dry or Succulent)

Weeds Controlled	Application Rates for Weed Growth Stages					
	1 Pt. per Acre*		1½ Pts. per Acre		2 Pts. per 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†	Up to 4	1"	Up to 6	1½"****	4-8	2"****
Common Purslane	—	—	Up to 4	1"	4-6	2"
Common Ragweed	—	—	—	—	4-6	3"
Devilsclaw	—	—	—	—	Up to 6***	3"
Galinsoga	—	—	—	—	Cotyledon Up 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"
Shepherdspurse†††	—	—	Up to 6	4"	6-10	8"
Velvetleaf*	Up to 3	2"	Up to 4	2"	4-6***	5"
Venice Mallow	Up to 4	2"	Up to 6	2"	6-10	4"
Wild Mustard (PNW)	Up to 4	2"	Up to 6	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 1 pint 7 to 14 days after the first application. (This rate is not applicable in California.)
**Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
***Add oil concentrate according to the **Directions for use-all crops**
****Basagran** does not adequately control black nightshade.
†Control may be partial or inconsistent.
††If after the first application a second weed flush develops, re-treat according to this rate table.
†††Do not treat rosette before seed stalk appears.
PNW–See special directions for Pacific Northwest.

Western irrigated area

In the Western irrigated areas, it may be necessary to irrigate prior to treatment with **Basagran** 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** during prolonged periods of cold weather (day temperature below 75°F and night temperature below 55°F for 2 to 5 days) because weed control may be nullified.

Restrictions and limitations (partial list)

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

Do not apply **Basagran** 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 4 pints of **Basagran** per acre in one season.

Do not apply **Basagran** 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 1½ to 2 pints (except Pacific Northwest) of **Basagran** per acre when plants are 6 to 8 inches tall. If needed, make a second application at the same rate of 7 to 10 days later.

Add oil concentrate to the spray solution of **Basagran**/water for each application according to the **Directions for use – all crops.**

In California: Apply 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. Make a second application at the same rate 10 to 14 days later. The use of oil concentrate with **Basagran** may increase injury and may reduce yields.

Canada Thistle

Apply 2 pints of **Basagran** per acre when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7 to 10 days later.

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

For suppression of field and hedge bindweed, apply 2 or 3 pints of **Basagran** per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of **Basagran**/water, according to the **Directions for use – all crops.**

Pacific Northwest (ID, OR, WA)

For control of cocklebur, yellow nutsedge, and wild mustard, use only the 2 pint rate.

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

For yellow nutsedge, follow the directions indicated above using only the 2 pint 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® 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** after 3 pairs of leaves (or 4 nodes) are present. Pea 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

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

Restrictions and limitations (partial list)
Do not apply **Basagran** to dry or succulent peas within 30 days of harvest

Do not apply **Basagran** 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** 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**

Do not apply **Basagran** 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 4 pints of **Basagran** per acre in one season

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

Table 24
Application Rates for Peas (Dry or Succulent)

Weeds Controlled	Application Rates for Weed Growth Stages			
	1½ Pints per Acre		2 Pints 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	–	–	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"	4–6	4"
Mayweed/Dog Fennel (PNW)	–	2"		3"
Pennsylvania Smartweed	Up to 6	4"	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 does not adequately control black nightshade
‡If, after the first application a second weed flush develops re-treat according to this rate table
‡‡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 2 pints of **Basagran** per acre when plants are from 8 inches tall to the bud stage Make a second application at the same rate 7 to 10 days later

Pacific Northwest (ID, OR, WA)
For control of cocklebur and wild mustard, use only the 2 pint rate when plants are in the 2 to 10 leaf stage and a maximum height of 10 inches

BASAGRAN + Thistrol tank mix for Postemergence Application

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

General information

The tank mix of **Basagran® herbicide** plus Thistrol® herbicide will control certain weeds not controlled by **Basagran** 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 crop-and-weed leaf canopies earlier 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** 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** + 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** + 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** 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 non-target areas. Crops other than peas may be severely injured by drift. Cotton, beans, grapes, tomatoes, and ornamentals are particularly sensitive to Thistrol.

Table 25
Application Rates for Tank Mix of BASAGRAN + Thistrol for Peas

Weeds Controlled	Basagran (1 pt./A) + Thistrol (2 pts./A)		Basagran (1½ pts./A) + Thistrol (3 pts./A)	
	Maximum Leaf Stage	Maximum Height	Maximum Leaf Stage	Maximum Height
Canada Thistle*	–	–	10 to bud	–
Cocklebur**	–	–	6	6"
Common Lambsquarters†	4	2"	8	3"
Common Purslane	4	1"	6	2"
Common Ragweed	–	–	6	3"
Field Pepperweed††	6	4"	10	8"
Giant Ragweed†	–	–	4	6"
Henbit††	–	–	4	2"
Jimsonweed	4	4"	6	6"
Ladysthumb	6	6"	10	10"
Marshelder	–	–	4	2"
Pashenik	–	5"	–	5"
Pennsylvania Smartweed	6	4"	8	6"
Pigweed	5	2"	8	6"
Prickly Sida or Teaweed	6	3"	8	4"
Shepherdspurse††	6	4"	10	8"
Velvetleaf†	–	–	4	2"
Wild Mustard	6	4"	10	10"
Wild Radish	6	4"	10	10"
Wild Sunflower	–	–	4	5"

* Follow treatment with a sequential application of **Basagran** (2 pints/acre) at 7 to 10 days after tank mix treatment as needed

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

†Control may be partial or inconsistent

††Do not treat until seed stalk appears

Special Directions for the Pacific Northwest (PNW) Peas (Dry or Succulent)

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® herbicide** may be applied during periods of cold weather (day temperatures below 75° F and night temperatures below 55°) provided crop and weeds are actively growing. Do not apply **Basagran** with oil concentrate when temperature exceeds 80°F, as excessive leaf burn may occur.

Restrictions and limitations (partial list)
Do not apply **Basagran** to dry or succulent peas within 30 days of harvest.

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

Do not apply **Basagran** 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 4 pints of **Basagran** per acre in one season.

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

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

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

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

Weeds Controlled	Application Rates for Weed Growth Stages					
	1 Pt./A		1½ Pts./A		2 Pts./A	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Cocklebur	–	–	–	–	2-10	10"
Common Lambsquarters*	2-4	1"	4-6	1½"	4-8	2"
Common Purslane	–	–	2-4	1"	4-6	2"
Giant Ragweed††	–	–	–	–	2-4	6"
Hairy Nightshade†*	–	–	–	–	2-6	4"
Jimsonweed	–	–	2-6	6"	6-10	10"
Ladysthumb	–	–	2-6	6"	6-10	10"
Marsheider	–	–	2-4	2"	4-8	4"
Mayweed/Dog Fennel	–	2"	–	3"	–	4"
Pashenik*	–	–	–	5"	–	5"
Pennsylvania Smartweed	–	–	2-6	4"	6-10	10"
Prickly Sida or Teaweed	–	–	2-6	3"	6-8	4"
Shepherdspurse*	–	–	2-6	4"	6-10	8"
Venice Mallow	–	–	2-6	2"	6-10	4"
Volunteer Radish	–	–	2-6	4"	6-10	10"
Volunteer Sugar Beets	–	–	2-4	–	4-8	–
Wild Mustard	2-4	2"	4-6	4"	6-10	10"
Wild Sunflower	1-2	3"	2-4	5"	4-6	8"

* Control requires the addition of 1-2 pints per acre of oil concentrate (2 pints maximum per acre)
†**Basagran** does not adequately control black nightshade
††If second weed flush occurs, retreat according to this table

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

Weeds Controlled	Rate of BASAGRAN*			
	1½ Pts./A		2 Pts./A	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Pigweeds	2-4	1"	4-8	2"
Common Lambsquarters	2-4	1"	4-8	2"

*Do not apply oil concentrate with **Basagran** plus MCPA Tank Mix.

Established Peppermint and Spearmint–Directions for use

Apply **Basagran** early post-emergence when weeds are small and actively growing and before weeds reach the maximum size listed in **Table 28 Application Rates for Peppermint and Spearmint.**

Peppermint and spearmint are tolerant to **Basagran**; 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** 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 8 pints of **Basagran** per acre in one season.

Table 28
Application Rates for Peppermint and Spearmint

Weeds Controlled	2 Pints per Acre		4 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	6"
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.

*Control may be partial or inconsistent.
Add oil concentrate according to the **Directions for use – all crops.
***Basagran** does not adequately control black nightshade.
NA not applicable.

Special Directions for Other Weed Problems in Peppermint and Spearmint

Yellow Nutsedge
Apply 2 pints of **Basagran** per acre when plants are 6 to 8 inches tall. Make a second application at the same rate 7 to 10 days later. Add oil concentrate to the spray solution of **Basagran**/water for each application according to the **Directions for use – all crops.**

Canada Thistle
Apply 4 pints of **Basagran** per acre when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7 to 10 days later.

Common Groundsel
Apply 2 to 3 pints of **Basagran** per acre when plants are less than 3 inches tall. Add oil concentrate to the spray solution of **Basagran**/water, according to the **Directions for use – all crops.**

Appendix

The following are scientific names for the weeds listed in this section. For specific recommendations on control of these weeds, refer to the major crop and/or tank mix sections.

Broadleaf Weeds

Common Name	Scientific Name
Arrowhead (Water Plantain)	*Sagittaria* spp
Balloonvine	*Cardiospermum halicacabum*
Beggarticks	*Bidens frondosa*
Bindweed, Field	*Convolvulus arvensis*
, Hedge	*Convolvulus sepium*
Bristly Starbur	*Acanthospermum hispidum*
Butterprint (see Velvetleaf)	
Buttonweed (see Velvetleaf)	
Canada Thistle	*Cirsium arvense*
Citron (Wild Watermelon)	*Citrullus vulgaris*
Cocklebur	*Xanthium strumarium*
Coffee Senna	*Cassia occidentalis*
Common Lambsquarters	*Chenopodium album*
Common Purslane	*Portulaca oleracea*
Crotalaria	*Crotalaria spectabilis*
Dayflower	*Commelina* spp.
Devilsclaw	*Probiscidea louisianica*
Ducksalad	*Heteranthera limosa*
Florida Beggarweed	*Desmodium tortuosum*
Florida Pusley	*Richardia scabra*
Galinsoga	*Galinsoga* spp.
Groundsel, Common	*Senecio vulgaris*
Jimsonweed	*Datura stramonium*
Kochia	*Kochia scoparia*
Ladysthumb	*Polygonum persicaria*
Marshelder	*Iva xanthiofolia*
Mayweed/Dog Fennel	*Anthemis cotula*
Morningglory, Cypressvine	*Ipomoea quamoclit*
, Entireleaf	*Ipomoea hederacea* var. *integriuscula*
, Ivyleaf	*Ipomoea hederacea*
Morningglory, Palmleaf	*Ipomoea wrightii*
, Pitted	*Ipomoea lacunosa*
, Purple Moonflower	*Ipomoea muricata*
, Smallflower	*Jacquemontia tamnifolia*
, Tall (Common)	*Ipomoea purpurea*
Nightshade, Black	*Solanum nigrum*
, Hairy	*Solanum sarachoides*
Pashenik	
Pennsylvania Smartweed	*Polygonum pensylvanicum*
Pigweed, Redroot	*Amaranthus retroflexus*
, Smooth	*Amaranthus hybridis*
Prickly Sida or Teaweed	*Sida spinosa*
Ragweed, Common	*Ambrosia artemisiifolia*
, Giant	*Ambrosia trifida*
Redstem	*Ammannia* spp
Redweed	*Melochia corchorifolia*
Sesbania	*Sesbania exaltata*
Shepherdspurse	*Capsella bursa-pastoris*
Sicklepod	*Cassia obtusifolia*
Spurred Anoda	*Anoda cristata*
Tropic Croton	*Croton glandulosus*
Velvetleaf	*Abutilon theophrasti*
Venice Mallow	*Hibiscus trionum*
Volunteer Radish	*Raphanus sativus*
Volunteer Sugar beets	*Beta vulgaris*
Waterhemp, Tall	*Amaranthus tuberculatus*
Waterplantain, Common	*Alisma Triviale*
Wild Buckwheat	*Polygonum convolvulus*
Wild Mustard	*Sinapsis arvensis*
Wild Poinsettia	*Euphorbia heterophylla*
Wild Radish	*Raphanus raphanistrum*
Wild Sunflower	*Helianthus annuus*

Sedges

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

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