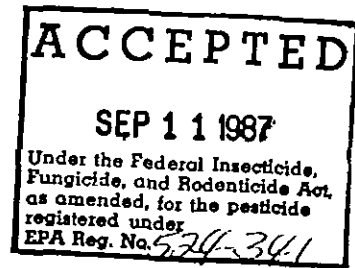


BRONCO

p.18 (2) Do not apply this product through any type of irrigation system.



25  
524-341

BRONCO

p.5 ③

Do not apply directly to water or wetland (swamps, bogs, marshes or potholes). Do not contaminate water by cleaning of equipment or disposal of waste.

3/22



MONSANTO COMPANY  
AGRICULTURAL PRODUCTS  
ST. LOUIS, MISSOURI 63167 U.S.A.

In case of an emergency involving this product,  
Call Collect, day or night, (314) 694-4000.

1985-1 817.37-000.19/53



For weed control in Corn, Soybeans and Grain Sorghum (MAA)

SHAKE WELL BEFORE USING

**Complete Directions for Use**

AVOID CONTACT WITH DESIRABLE  
PLANTS AND TREES SINCE SEVERE  
INJURY OR DESTRUCTION MAY  
RESULT.

The use of this product may be hazardous to your  
health. This product contains alachlor, which has been  
determined to cause tumors in laboratory animals.

Users are urged to obtain information on careful  
handling and use of pesticides and to participate in  
Monsanto Company's education program on potential  
hazards and safer use of this product. For additional  
information, contact Monsanto Agricultural Products

Co. at 1-800-453-4000. (NOTE: This number is for user  
information only. NOT for emergencies. For  
emergencies, call collect day or night (314) 694-4000.)

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Company.

EPA Reg. No. 524-341-aA

1985-1 817.37-000.19/53

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**BRONCO**  
HERBICIDE BY Monsanto

For weed control in Corn, Soybeans and Grain Sorghum (Nixal)

**SHAKE WELL BEFORE USING**  
**Complete Directions for Use**

**AVOID CONTACT WITH DESIRABLE  
PLANTS AND TREES SINCE SEVERE  
INJURY OR DESTRUCTION MAY  
RESULT.**

The use of this product may be hazardous to your health. This product contains alachlor, which has been determined to cause tumors in laboratory animals.

Users are urged to obtain information on careful handling and use of pesticides and to participate in Monsanto Company's education program on potential hazards and safer use of this product. For additional information, contact Monsanto Agricultural Products Co. at 1-800-453-4000. [NOTE: This number is for user

city information only. *NOT* for emergencies. For emergencies, call collect day or night (314) 694-4000.]

BRONCO is a registered trademark of Monsanto Company.

FPA Reg. No. 524-341-AA

1965-I

817.37-000 19/53

**BEST AVAILABLE COPY**

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before applying or using. If terms are not acceptable, return at once unopened.

#### LIMIT OF WARRANTY AND LIABILITY

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this company, including but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner

not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil or crop.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals

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Keep out of reach of children.

## DANGER!

CAUSES EYE BURNS AND SKIN IRRITATION.

HARMFUL IF SWALLOWED.

MAY CAUSE ALLERGIC SKIN REACTION

Do not get in eyes, on skin, or on clothing

Wear goggles or face shield, rubber gloves, long trousers, long-sleeved shirt or jacket of tightly woven material along with boots high enough to cover ankles when transferring and mixing, and when adjusting, repairing or cleaning equipment. Wear rubber boots when pouring from open containers. Clothing which comes in contact with Bronco must be washed before reuse. Clothing or other materials which become drenched with the concentrated pesticide must be disposed of in a sanitary landfill by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN, immediately flush with plenty of water while removing contaminated clothing. Call a physician. Wash clothing before reuse. Sensitized persons should avoid further contact and reuse of clothing.

IF SWALLOWED, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

In case of emergency involving this product. Call Collect, day or night, (314) 694-4000.

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### Environmental Hazard:

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This chemical has been identified in limited ground water sampling and there is the possibility that it can leach through the soil to ground water, especially where soils are coarse and ground water is near the surface. Following application, and during rainfall events that cause runoff, this chemical may reach surface water bodies including streams, rivers and reservoirs.

Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticides, spray mixtures or rinsates.

Check valves or antisiphoning devices must be used on all mixing and/or irrigation equipment. Disposal of excess pesticide, spray mixtures, or rinsate should be according to label use instructions or according to the state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office.

③ Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

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## Physical or Chemical Hazards

## COMBUSTIBLE.

- Do not use or store near fire or flame.
- Use only with adequate ventilation.

In case of:

FIRE, use water spray, foam, dry chemical or CO<sub>2</sub>.

SPILL OR LEAK, flush area with water spray.

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fibreglass, plastic and plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

## Storage and Disposal

Do not contaminate water, foodstuffs, seed or feed by storage and disposal.

## STORAGE:

Store above 40°F to keep product in solution.

Below 40°F, crystals may form and settle to the bottom.

If crystals form, place in a warm room and shake the container frequently until crystals dissolve.

Keep container closed to prevent spills and contamination.

For bulk containers, see the container label for alternate storage information.

## DISPOSAL:

Wastes of this pesticide may cause eye burns and skin irritation and may be dangerous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Empty container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

(See the individual container label for disposal information.)

ACCEPTED

SEP 11 1987

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 574-341

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ACTIVE INGREDIENTS.	
Alachlor .....	27.6%
Isopropylamine salt of glyphosate .....	14.8%
INERT INGREDIENTS .....	57.6%
	100.0%

Contains 2.6 pounds of 2-chloro-2-(diethyl-N-(methoxymethyl) acetanilide and 1.4 pounds\* of the isopropylamine salt of N-(phosphonmethyl) glycine per U.S. gallon. \*Equivalent to 1.04 pounds per U.S. gallon of the acid, glyphosate.

U.S. Patent No. 3,547,620  
U.S. Pat. No. 3,799,758 covers use  
Other patents pending.

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**GENERAL INFORMATION**

Bronco, applied alone or in tank mixtures, is recommended for the preemergence and postemergence control of many annual grasses and broadleaf weeds in soybeans and corn grown under NO-TILL or other minimum tillage practices. This product will also provide reduced competition from certain emerged perennial weeds.

**MOISTURE CONDITIONS**

Rainfall or sprinkler irrigation within 6 hours after application may reduce control of emerged weeds. Moisture in the form of rainfall or irrigation is required after application to move this product into the weed germination zone for preemergence weed control. The amount of moisture required depends on the soil moisture content at the time of application, soil type, and plant residues. Performance is improved when 1/8 to 1/4 inch of moisture is received within one week after application and prior to weed emergence. High intensity or excessive rainfall or irrigation after application may reduce preemergence weed control on coarse soils.

READ AND CAREFULLY OBSERVE PRECAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE LABELING OF ALL PRODUCTS USED IN MIXTURES

**ATTENTION**

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS, TREES AND CROPS

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Do not allow the herbicide solution to mist, drip, drift, splash onto desirable vegetation since minute quantities of this herbicide can cause severe damage or destruction to crops, plants, or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE

DO NOT MIX THIS PRODUCT WITH LIQUID FERTILIZERS, HERBICIDE OILS OR ANY MATERIALS OTHER THAN WATER, EXCEPT THOSE LISTED ON THIS LABEL.

NOTE: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.

DO NOT APPLY THIS PRODUCT TO EMERGED CORN OR SOYBEANS.

DO NOT FEED FORAGE FROM OR GRAZE TREATED AREAS WITHIN 8 WEEKS AFTER APPLICATION.

Flush sprayer with clean water after use.

### SOIL TEXTURE

Applicators should evaluate soil and weed conditions carefully to assure that they choose the lowest effective label rate.

The recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product generally vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil texture groups: COARSE, MEDIUM and FINE. The following is a complete listing of soil textures included in each of these three soil texture groups:

SOIL TEXTURE GROUP	SOIL TEXTURE
COARSE	sand, loamy sand, sandy loam
MEDIUM	loam, silt loam, silt, sandy clay loam
FINE	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil texture group for the soil to be treated.

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## WEEDS CONTROLLED

When applied as directed under conditions described, this product alone or in tank mixtures with other products listed will control or reduce competition from the weeds indicated. Refer to the "DIRECTIONS FOR USE" section to determine rates for each crop.

Reduced control of emerged weeds may occur when weeds are under poor growing conditions such as from drought stress, when application follows recent mowing or when excessive amounts of dust cover the plants.

NOTE: For additional information on weeds controlled by this product applied alone or in tank mixtures with other products in DOUBLE CROP systems, consult the "Double Crop" section of this label.

This product applied alone or in tank mixtures with other products listed will CONTROL the following EMERGED WEEDS:

### ANNUAL GRASSES

Bluegrass (annual)	Foxtail (yellow)
Poa annua	Setaria lutescens
Brome (downy)	Panicum (fall)*
Bromus tectorum	Panicum
Corn (volunteer)	dichotomiflorum
Zea mays	Sandbar (field)
Crabgrass	Cenchrus spp.
Digitaria ischaemum	Shattercane
Digitaria sanguinalis	Sorghum bicolor
Foxtail (giant)	Wheat (volunteer)
Setaria faberi	Triticum aestivum
Foxtail (green)	
Setaria viridis	

### ANNUAL BROADLEAVES

Fleabane	Ragweed (common)
Erigeron spp.	Ambrosia artemisiifolia
Kochia	Ragweed (giant)
Kochia scoparia	Ambrosia trifida
Lambsquarters	Smartweed
Chenopodium album	Polygonum
Lettuce (prickly)	pensylvanicum
Lactuca scariola	Sunflowers
Marestail	Helianthus annuus
Eragrostis canadensis	Thistle (Russian)
Pigweed, Carelessweed	Salsola kali
(redroot)	Velvetleaf, Buttonweed
Amaranthus retroflexus	Abutilon theophrasti
Pigweed (smooth)	
Amaranthus hybridus	

\*Five (5) quarts of this product are required for satisfactory postemergence control of fall panicum.

This product applied alone or in tank mixtures with other products listed will REDUCE COMPETITION from the following EMERGED WEEDS:

### PERENNIAL GRASSES

Bluegrass (Kentucky)	Orchardgrass
Poa spp.	Dactylis glomerata
Bromegrass (smooth)	Quackgrass
Bromus inermis	Agropyron repens
Fescue	Ryegrass (perennial)
Festuca spp.	Lolium perenne
Muhly (wirestem)	Timothy
Muhlenbergia frondosa	Phleum pratense
Johnsongrass	
Sorghum halepense	

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### PERENNIAL BROADLEAVES

Valerian	Milkweed
Medicago sativa	Asclepias spp.
Clover (red)	Mullein (common)
Trifolium pratense	Verbascum thapsus
Clover (white)	Smartweed (swamp)
Trifolium repens	Polygonum coccineum
Dock (curly)	Thistle (Canada)
Rumex crispus	Cirsium arvense

This product applied alone or in tank mixture with other products will provide PREEMERGENCE CONTROL of the following weeds.

### ANNUAL GRASSES

Barnyardgrass	Goosegrass
Echinochloa crus-galli	Elusine indica
Crabgrass	Panicum (fall)
Digitaria ischaemum	Panicum
Digitaria sanguinalis	dichotomiflorum
Foxtail (giant)	Signalgrass (broadleaf)
Setaria faberii	Brachiaria spp.
Foxtail (green)	Witchgrass
Setaria viridis	Panicum capillare
Foxtail (yellow)	
Setaria futescens	

### ANNUAL BROADLEAVES

When applied as directed under conditions described, Bronco alone or in tank mixtures with products listed in the following table will provide preemergence control or reduced competition from the additional grass and broadleaf weeds as indicated. Refer to the crop on which treatment is intended in the "DIRECTIONS FOR USE" section of this label to determine the rate of Bronco alone and of tank mixtures recommended for use in each crop.

NOTE: C = Control R = Reduced Competition

	TANK MIXTURES					
	Bronco*	Alfalfa	Blades	Libra	Protop	Sanco
Carpetweed						
Mollugo verticillata	C	C	C	C	C	C
Cocklebur						
Xanthium						
pensylvanicum	•	R	R	R	R	R
Jimsonweed						
Datura stramonium	•	C	R	R	R	R
Kochia						
Kochia scoparia	•	C	•	•	•	•
Lambsquarters						
Chenopodium album	R	C	C	C	C	C
tingglory (annual)						
Ipomeoea purpurea	•	R	R	R	R	R
Mustard						
Brassica spp	•	C	C	C	C	C

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NOTE: C = Control R = Reduced Competition

	TANK MIXTURES					
	Bladex <sup>®</sup>	Bladex <sup>®</sup>	Bladex <sup>®</sup>	Lexone <sup>®</sup>	Princep <sup>®</sup>	Sencor <sup>®</sup>
<b>Nightshade (black)</b>						
Solanum nigrum	C*	C	C	C	C	C*
<b>Nightshade (hairy)</b>						
Solanum sarachoides	C*	C	C	C	C	C*
<b>Pigweed, Carelessweed (redroot)</b>						
Amaranthus retroflexus	C	C	C	C	C	C
<b>Pigweed (smooth)</b>						
Amaranthus hybridus	C	C	C	C	C	C
<b>Purslane</b>						
Portulaca oleracea	C	C	C	C	C	C
<b>Pusley (Florida)</b>						
Richardia scabra	C	C	C	C	C	C
<b>Ragweed (common)</b>						
Ambrosia artemisiifolia	R	C	C	C	C	C
<b>Ragweed (giant)</b>						
Ambrosia trifida	•	C	R	R	R	R
<b>Sandbar (field)</b>						
Cenchrus spp	•	C	•	•	•	•
<b>Sida (prickly), leaweed</b>						
Sida spinosa	R	C	C	C	C	C
<b>Smartweed</b>						
Polygonum pennsylvanicum						
Polygonum persicaria	R	C	C	C	C	C

**Velvetleaf, Buttonweed**

Abutilon theophrasti • R R R R R

\*Use the maximum labeled rates to achieve control

\*Bladex is a registered trademark of the Shell Chemical Company

\*Lexone and Lexone are trademarks of E. I. duPont de Nemours and Company

\*Princep is a registered trademark of the Ciba-Geigy Corporation

\*Sencor is a trademark of the parent company of Farbenfabriken Bayer GmbH, Leverkusen

REFER TO SPECIFIC PRODUCT LABELS FOR ADDITIONAL WEEDS CONTROLLED, CROP ROTATION RESTRICTIONS AND CAUTIONARY STATEMENTS.

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## APPLICATION INFORMATION

**SHAKE CONTAINER VIGOROUSLY PRIOR TO MIXING AND USE.**

**Broadcast Treatment**—Apply this product and labeled tank mixture products in 10 to 30 gallons of water, or 10 to 50 gallons of liquid nitrogen (28 percent or 32 percent solutions only) per acre, before, during or after planting but **PRIOR TO CROP EMERGENCE**. Application of this product in fluid fertilizer should only be used for treatment of annual weeds less than 6 inches tall. Spray coverage should be uniform and complete. Under conditions of dense stubble or plant residue or very high weed populations, higher rates within the recommended ranges may be needed for best results.

**DO NOT APPLY BY AIR.**

**MIX ONLY WITH CLEAN WATER.**

**Ammonium Sulfate**—The addition of ammonium sulfate in the spray solution may increase the performance of Bronco and Bronco tank mixtures on emerged annual weeds under adverse growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding herbicide or surfactant. Do not mix ammonium sulfate in fluid fertilizer solutions.

If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Nozzle tip plugging may result from the use of low-quality ammonium sulfate. To determine quality, perform a jar test by adding  $\frac{1}{2}$  cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to addition to the spray tank.

Following use of ammonium sulfate, thoroughly rinse the spray system with clean water to reduce corrosion.

Bronco tank mixtures with ammonium sulfate are not approved in the state of California.

**Surfactants**—Nonionic surfactants which are labeled for use with herbicides may be used with Bronco. Do not reduce rates of Bronco when adding surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

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## MIXING, SPRAYING AND HANDLING INSTRUCTIONS

### NOTE

Direct contact or exposure to Bronco or spray mixtures of Bronco should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the Precautionary Statements section of this label (front panel) and do not use this product until you have the necessary protection clothing.

#### 2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

#### Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

#### Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired. When repairs must be made during transfer or application, the equipment should be shutdown, and special care taken to avoid contact with the pesticide.

Always predetermine the compatibility of Bronco with other labeled herbicides by mixing small proportional quantities in advance. NOTE: Reduced results may occur if muddy water is used, such as water from ponds or ditches.

Mix this product or labeled tank mixtures with clean water as follows:

1. Place a 20 to 35-mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water.
3. Add tank mix components. If a wettable powder is used, make a slurry with water, and add it SLOWLY through the screen into the tank. Continue agitation.

If flowable herbicides are used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank.

4. Premix one part of Bronco with one part water. Add diluted mixture SLOWLY through the screen into the tank.

Complete filling the sprayer tank with water. Remove hose from tank immediately to avoid siphoning back into the water source. Maintain good agitation at all times until the contents of the tank are sprayed.

NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. For best results with ground application equipment, use flat fan or whirl-chamber nozzle. To reduce loss of chemical due to drift of a fine mist, apply at pressures less than 40 psi.

### DIRECTIONS FOR USE

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

#### SHAKE WELL BEFORE USING

#### No-Till and Minimum Tillage Systems CORN, SOYBEANS AND GRAIN SORGHUM (MILO)

When applied as directed under the conditions described, this product or labeled tank mixtures will control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual weeds when corn, soybeans or grain sorghum will be planted directly into a cover crop, or in previous crop residues. This product or labeled tank mixtures will not control regrowth from perennial weeds or unemerged perennial weeds.

For use on grain sorghum, apply Bronco only on fields where the grain sorghum seed has been properly treated with a seed protectant containing the active ingredient, flutazone.

For mixing instructions, see the "MIXING AND SPRAYING INSTRUCTIONS" section of this label.

The higher recommended rates listed for each soil texture grouping should be used when:

- PREVIOUS CROP RESIDUES ARE EXTREMELY DENSE
- EMERGED WEEDS ARE OVER 6 INCHES TALL
- HEAVY INFESTATIONS OF ANNUAL GRASSES OR BROADLEAVES ARE EXPECTED

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**• SOILS CONTAIN MORE THAN 3 PERCENT ORGANIC MATTER**

For postemergence weed control in double crop systems, small grain stubble should be cut to a height of 10 to 12 inches, leaving enough weed leaf surface for adequate herbicide coverage and uptake. Consult the "Double Crop" section of this label for additional information and specific use rates.

**BRONCO USE RATES**

The following table provides the recommended rates for this product in no-till and minimum tillage systems in CORN, SOYBEANS and GRAIN SORGHUM. For recommended Bronco rates on medium and fine textured soils in DOUBLE CROP systems, consult the "Double Crop" section of this label.

SOIL TEXTURE GROUP	BROADCAST RATE OF BRONCO® (QTS./A.)
Coarse	3 to 5
Medium	4 to 5
Fine	4 to 5

**Double Crop Systems  
SOYBEANS AND GRAIN SORGHUM (Milo)**

Bronco or Bronco plus a labeled tank mixture will control the weed species listed below in medium and fine texture soils at the 3 to 5 quart per acre rate. For additional information for weeds controlled on coarse textured soils, consult the "WEEDS CONTROLLED" section of this label.

ANNUAL GRASSES	ANNUAL BROADLEAVES*
Bluegrass (annual)	Lambsquarters
Brome (downy)	Marestail**
Corn (volunteer)	Pigweed (redroot)
Crabgrass	Pigweed (smooth)
Foxtail (giant)	Ragweed (common)
Foxtail (green)	
Foxtail (yellow)	
Wheat (volunteer)	

\*A tank mixture of Bronco plus Lorox or Lexone or Sencor is recommended to improve control of emerged labeled weeds in double crop soybeans. Tank mixtures of Bronco plus atrazine are recommended to improve weed control in double crop grain sorghum. Consult the soybean and grain sorghum tank mixture sections of this label for recommended rates.

\*\*A Bronco rate of 3 quarts per acre plus tank mixture with Lorox or Lexone or Sencor will control light infestations of this broadleaf weed. When medium to heavy infestations exist, use the 4 to 5 quart per acre rate of Bronco rate alone or in tank mixture with Lorox or Lexone or Sencor. Consult the tank mixtures section of this label for recommended use rates.

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When using the 3 quart per acre rate of Bronco or Bronco tank mixtures, flat fan nozzles or low volume flood jet nozzles and application volumes of 20 gallons per acre or less are recommended for optimum performance. Refer to the "GENERAL INFORMATION" section of this label for additional information.

The higher Bronco rates (4 to 5 quarts per acre) should be used in double crop systems when:

- Needs not listed under Double Crop Systems are present (Note: A 5 quart per acre Bronco rate must be used to control emerged fall panicum).
- Weeds are drought stressed.
- Heavy infestations of annual grasses or broadleaves are present.

#### Tank Mixtures

##### ■ BRONCO® plus ROUNDUP® and/or LASSO® ■

In cases of heavy weed infestation or hard-to-control weed species found on this label, Roundup OR Lasso herbicides OR both can be added to the recommended treatment rates to obtain improved control under the following methods of application:

Postemergence	Roundup
Preemergence	Lasso
Postemergence and Preemergence	Roundup and Lasso

Refer to the respective label booklets for Roundup and Lasso for specific recommendations regarding the timing of application.

The following table shows the maximum amounts of Roundup OR Lasso herbicides, OR both, that can be added to specific treatment rates of Bronco.

RECOMMENDED TANK MIXTURE RATES (QTS. / A.)		
BRONCO®	ROUNDUP® and/or LASSO®	
3	2	2.2
3.5	1.8	1.7
4	1.6	1.4
4.5	1.4	1.1
5	1.25	0.75

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**Tank Mixtures**

**CORN**

BRONCO<sup>®</sup> plus ATRAZINE

OR

BRONCO plus BLADEX

OR

BRONCO plus PRINCEP

Apply Bronco<sup>®</sup> alone or in tank mixture with atrazine, OR Bladex OR Princep herbicides for control of grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label when CORN is planted directly into a cover crop or in previous crop residues.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures.

See the following table for recommended rates of atrazine, OR Bladex OR Princep in this tank mixture applied on various soil types. To determine the recommended rates for Bronco refer to the rate table for this product.

**BROADCAST RATES (QTS. / A)\***

SOIL TEXTURE GROUP*	ATRAZINE 4L	BLADEX 4L	PRINCEP 4L
Coarse — Sandy			
Loam Only	1 to 1.2	1 to 1.6	1 to 1.2
Medium	1.2 to 1.6	1.2 to 1.6	1.2 to 1.6
Fine	1.6 to 2	1.6 to 2.2	1.6 to 2

\*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil texture group for the soil to be treated.

- \*\*When using 4L formulations use the rates list
- Use equivalent rates when using 80W or 90 percent dry flowable formulations. One quart of the 4L formulation of these products equals 1.25 pounds of the 80W formulation. One quart of atrazine 4L or Princep 4L equals 1.1 pounds of the 90 percent dry flowable formulations of these products.
- Use the higher rates when recommended for each product listed when soils contain more than 3 percent organic matter.

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# **Tank Mixtures CORN**

■ **BRONCO<sup>®</sup> plus ATRAZINE plus PRINCEP** ■

OR

■ **BRONCO<sup>®</sup> plus ATRAZINE plus BLADEx** ■

For additional preemergence control of heavy weed infestation and/or hard-to-control weeds, a three-way tank mixture of Bronco herbicide plus atrazine plus Princep OR Bronco plus atrazine plus Bladex may be applied. Refer to the following rate tables and the rate table for Bronco to determine the recommended rates for these tank mixtures on various soil types.

## **BROADCAST RATES (QTS. / A.)\*\***

SOIL TEXTURE GROUP*	ATRAZINE 4L	+	PRINCEP 4L
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COURSE	0.75 to 1		0.75 to 1
Medium	1 to 1.25		1 to 1.5
Fine	1 to 1.25		1 to 1.5

	ATRAZINE 4L	+	BLADEx 4L
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Coarse	0.75 to 1		1 to 1.25
Medium	1 to 1.25		1.25 to 2
Fine	1 to 1.25		1.25 to 2

\*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil texture group for the soil to be treated.

\*\*When using 4L formulations use the rates listed.

- Use equivalent rates when using 80W or 90 percent dry flowable formulations. One quart of the 4L formulation of these products equals 1.25 pounds of the 80W formulation. One quart of atrazine 4L or Princep 4L equals 1.1 pounds of the 90 percent dry flowable formulations of these products.
- USE THE LOWER RATES RECOMMENDED FOR EACH PRODUCT LISTED WHEN SOILS CONTAIN LESS THAN 3 PERCENT ORGANIC MATTER.

**NOTE: PLANT ONLY CORN, PEANUTS, SORGHUM OR SOYBEANS\* the year following use of this mixture.**

\*There is a possibility of crop injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of these tank mixtures on furrow irrigated corn. DO NOT graze treated areas or feed treated forage to livestock for 21 days following application of these tank mixtures.

**NOTE:** Land treated with Princep should not be planted to any crop except corn for one year following treatment as crop injury may occur.

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20/22

**Tank Mixtures**  
**FULL SEASON AND DOUBLE CROP**  
**SOYBEANS**

**BRONCO® plus LOROX**  
**OR**

**BRONCO plus LEXONE OR SENCOR**

Apply Bronco herbicide alone or in tank mixtures with LoroX, OR Lexone, OR Sencor herbicides for control of grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label when SOYBEANS are planted directly into a cover crop, stale seedbed, or in previous residues such as wheat stubble.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures.

See the following table for recommended rates of LoroX, OR Lexone OR Sencor in tank mixtures applied on various soil types. To determine rates for Bronco refer to the rate table for this product.

BROADCAST RATES (QTS. / A.)		
SOIL TEXTURE GROUP*	LOROX L**†	LEXONE 4L OR SENCOR 4F†
Coarse — Sandy		
Loam Only	0.5 to 0.75	0.25 to 0.375
Medium	0.75 to 1	0.375 to 0.5
Fine	1 to 1.5	0.5 to 0.75

\*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil texture group for the soil to be treated.

\*\*Use the higher rate of LoroX L in the recommended ranges on soils containing more than 3 percent organic matter.

†Use rates listed in this label when using LoroX L, Lexone 4L or Sencor 4F. Use equivalent rates when using the 50 WP or DF formulations of these products. One pint of LoroX L, Lexone 4L or Sencor 4F equals 1 pound of the corresponding 50 WP formulation or 2 1/2 pound of the corresponding DF formulation.

**THE FOLLOWING INFORMATION APPLIES ONLY TO USE OF LEXONE OR SENCOR.**

On the silty clay or heavy clay soils of the Mississippi Delta, use 0.75 to 1 quart of Lexone or Sencor per acre.

Use the higher rate of Lexone or Sencor in the recommended ranges on soils with greater than 2 percent organic matter.

Do not use on muck soils.

Do not apply on alkaline soils with a pH higher than 7.4

Crop injury may occur if any atrazine was applied on the soil the year before use of this Lexone or Sencor tank mixtures.

**DO NOT REPLANT CROPS OTHER THAN SOYBEANS FOR 20 DAYS AFTER APPLICATION.**

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**Tank Mixtures**  
**FULL SEASON AND DOUBLE CROP**  
**GRAIN SORGHUM (Milo)**  
**BRONCO\* plus ATRAZINE**

Apply Bronco alone or in tank mixture with atrazine herbicide for control of grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label when grain sorghum is planted directly into a cover crop or in previous crop residues.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures.

See the following for recommended rates of atrazine in this tank mixture applied on various soil types. To determine rates for Bronco refer to the rate table for this product.

**BROADCAST RATES (QTS./A)**

SOIL TEXTURE GROUP*	ATRAZINE 4L
Coarse (Except Sand)	0.75 to 1
Medium	1 to 1.25
Fine	1.2 to 1.5

\*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil texture group for the soil to be treated.

\*\*When using 4L formulations use the rates listed

- Use equivalent rates when using 80W or 90 percent dry flowable formulations. One quart of the 4L formulation of this product equals 1.25 pounds of the 80W formulation. One quart of atrazine 4L equals 1.1 pounds of the 90 percent dry flowable formulation of this product.
- Use the higher rates when recommended for each product listed when soils contain more than 3 percent organic matter.

\* ROUNDUP and \* LASSO are registered trademarks of Monsanto Company.

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Call Collect, day or night, (314) 694-4000.

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