REG. #524-341 Pm 25

BRONCO

PRODUCED BY Monsanto

For weed control in Corn, Soybeans and Grain Sorghum

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

*** BRONCO is a registered trademark of Monsanto Company.**

EPA Reg. No. 524-341-AA

1985-1 617 37-000 19 '53

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying 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, mixture conditions outside the mixture range specified in the Directions, or the presence of products other than those set forth in the Directions on 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.

ACCEPTED

OCT 16 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-341

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

Environmental Hazards

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.

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

Physical or Chemical Hazards

COMBUSTIBLE.

Do not use or store near heat or flame.

Use only with adequate ventilation.

In case of:

FIRE: use water spray, foam, dry chemical or CO.

SPILL OR LEAK: flush area with water spray.

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fiberglass, 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 both 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.)

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',6'-diethyl-N-(methoxymethyl) acetanilide and 1.4 pounds* of the isopropylamine salt of N-(phosphonomethyl) 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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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.

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 ½ to ¾ 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.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this herbicide can cause severe damage, 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.

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

ANNUAL BROADLEAVES

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

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

PERENNIAL BROADLEAVES

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

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

ANNUAL GRASSES

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

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				
		I	II	III	IV	V
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
Morningglory (annual) Ipomoea purpurea	•	R	R	R	R	R
Mustard Brassica spp	•	C	C	C	C	C
Nightshade (black) Solanum nigrum	C*	C	C	C	C	C*
Nightshade (hairy) Solanum sarachoides	C*	C	C	C	C	C*
Pigweed, Carelessweed (redroot) Amaranthus retroflexus	C	C	C	C	C	C
Pigweed (smooth) Amaranthus hybridus	C	C	C	C	C	C
Purslane Portulaca oleracea	C	C	C	C	C	C
Pusley (Florida) Richardia scabra	C	C	C	C	C	C
Ragweed (common) Ambrosia artemisiifolia	R	C	C	C	C	C
Ragweed (giant) Ambrosia trifida	•	C	R	R	R	R
Sandbur (field) Cenchrus spp	•	C	•	•	•	•
Sida (prickly), teaweed Sida spinosa	R	C	C	C	C	C
Smartweed Polygonum pensylvanicum 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

*Lasso and Lasoxe 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

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 ½ cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve 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.

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.

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.
5. 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, flurazole.

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

- 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 quarts 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 alone or in tank mixture with Lorox or Lexone or Sencor. Consult the tank mixtures section of this label for recommended use rates.

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:

- Weeds not listed under double crop systems. (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

Tank Mixtures
CORN
BRONCO® plus ATRAZINE
OR
BRONCO plus BLADEX
OR
BRONCO plus PRINCEP

Apply Bronco® 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 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 higher rates when recommended for each product listed when soils contain more than 3 percent organic matter.

Tank Mixtures
CORN

BRONCO® plus ATRAZINE plus PRINCEP

OR

BRONCO® 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
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
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 treatement as crop injury may occur.

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 ⅔ 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 120 DAYS AFTER APPLICATION.

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.

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

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