

METSULFURON-METHYL & CHLORSULFURON GROUP 2 HERBICIDE

For use on Rangeland, Pastures, Grass Hay Fields, or CRP and non-Crop Sites, and for use in Wheat, Barley, and Fallow in the states of Kansas, New Mexico, Oklahoma, and Texas

Dry-Flowable Granule	
Active Ingredients	By Weight
Metsulfuron Methyl	
Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2yl)amino]carbonyl]	
amino]sulfonyl]benzoate	48%
Chlorsulfuron	
2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl]	
benzenesulfonamide	15%
Other Ingredients	37%
Total	100%

EPA Reg. No. 101563-183

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

D00000916 85780220D 221216AV2 Nonrefillable Container Net Weight: 2 Ounces



PRODUCED FOR Environmental Science U.S., LLC 5000 CentreGreen Way, Suite 400 Cary, NC 27513 Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION!

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing quim, using

PERSONAL PROTECTIVE EQUIPMENT (PPE)

tobacco, or using the toilet.

Mixers, loaders, applicators, and other handlers must wear:

- · Long-sleeved shirt and long pants
- Chemical Resistant Gloves made of any waterproof material such as polyethylene or polyinylchloride
 Shoes olus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Engineering Control Statement: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

GROUNDWATER ADVISORY

Chlorsulfuron and metsulfuron-methyl are known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

SURFACE WATER ADVISORY
This product may impact surface water quality due to runoff of rain water. This is especially true for

poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorsulfuron and metsulfuron-methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

NON-TARGET ORGANISM ADVISORY

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

WINDBLOWN SOIL PARTICLES ADVISORY

CIMARRON® PLUS HERBICIDE has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affects the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying CIMARRON® PLUS HERBICIDE if prevailing local conditions may be expected to result in off-site movement.

DIRECTIONS FOR USE

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

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

CIMARRON® PLUS HERBICIDE must be used in accordance with the directions for use on this label.

Always read the entire label including the Limitations of Warranty and Liability.

MANDATORY SPRAY DRIFT Aerial Applications:

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a
 greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE \$572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- · Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

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Ground Boom Applications: Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above

greater if applications are made improperly or under unfavorable environmental conditions. the ground or target vegetation unless making a pasture and rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the crop or target vegetation.

 For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE \$572.1). For all other applications, applicators are required to use a Medium or coarser droplet size

(ASABE S572.1). Do not apply when wind speeds exceed 10 miles per hour at the application site.

· Do not apply during temperature inversions.

Boom-less Ground Applications: Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all

 Do not apply when wind speeds exceed 10 miles per hour at the application site. Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

Boom-less Ground Applications:

 Setting nozzles at the lowest effective height will help to reduce the potential for spray drift. Handheld Technology Applications:

. Take precautions to minimize spray drift. THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be

Controlling Droplet Size - Ground Boom Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed.

consider using a nozzle with a higher flow rate. Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.

 Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally. to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not

release spray at a height greater than 10 ft above the crop canopy, unless a greater application height

is necessary for pilot safety. SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers, Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation. TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Drift potential generally increases with wind speed, AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

DRIFT CONTROL ADJUVANTS A drift control adjuvant may be used to reduce the potential for drift. However, because it is the combined physical-chemical properties of all the ingredients in the spray mix that can determine drift potential, the applicator must confirm that the drift control adjuvant used is having the desired effect with the tank mix that is being applied. If a drift control adjuvant is used, follow the use directions and precautions on the manufacturer's label. Do not use an adjuvant which increases viscosity with application systems that cannot accommodate viscous sprays.

SWATH ADJUSTMENT When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the application equipment upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.). Applicators must use ½ swath displacement upwind at the downwind edge of the field.

INVASIVE SPECIES MANAGEMENT

This product may be considered for use on public, private, and tribal lands to treat certain weed species infestations that have been determined to be invasive, consistent with the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW) National Early Detection and Rapid

Response (EDRR) System for invasive plants. Effective EDRR systems address invasions by eradicating the invader where possible, and controlling them when the invasive species is too firmly established to be feasibly eradicated. Once an EDRR assessment has been completed and action is recommended, a Rapid Response needs to be taken to quickly contain, deny reproduction, and if possible eliminate the invader. Consult your appropriate state extension service, forest service, or regional multidisciplinary invasive

allowed treatments in your area. WEED RESISTANCE MANAGEMENT

CIMARRON® PLUS HERBICIDE contains the active ingredients metsulfuron-methyl and chlorsulfuron which are Group 2 Herbicides based on the mode of action classification system of the Weed Science Society of America. When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected.

species management coordination team to determine the appropriate Rapid Response provisions and

- Follow the best management practices listed below to delay the development of herbicide resistant weeds. Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Fields should be scouted after
- application to verify that the treatment was effective. Identify weeds present in the field through scouting and field history and understand their biology. The weed-control program should consider all of the weeds present.
- Suspected herbicide-resistant weeds may be identified by these indicators:

- o Failure to control a weed species normally controlled by the herbicide at the dose applied. especially if control is achieved on adjacent weeds:
- o A spreading patch of non-controlled plants of a particular weed species; and
 - o Surviving plants mixed with controlled individuals of the same species.
- · Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions.
- Tank mix products so that there are multiple effective mechanisms of actions for each target weed. Report any incidence of non-performance of this product against a particular weed species to your
- Environmental Science U.S., LLC distributor, Environmental Science U.S., LLC representative or call 1-800-331-2867 · If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of
- action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production. · Use a diversified approach toward weed management. Whenever possible incorporate multiple
- weed-control practices such as mechanical cultivation, biological management practices, and crop rotation.
- To the extent possible, do not allow weed escapes to produce seeds, roots, or tubers. Difficult to control weeds may require sequential applications of herbicides with differing
- mechanisms of action Apply this herbicide at the correct timing and rate needed to control the most difficult weeds in the field. Use a broad spectrum soil-applied herbicide with a mechanism of action that differs from this
- product as a foundation in a weed-control program. . Do not use more than two applications of this or any other herbicide with the same mechanism of
- action within a single growing season unless mixed with an herbicide with another mechanism of

action with an overlapping spectrum for the difficult-to-control weeds.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in

AGRICULTURAL USE REQUIREMENTS Use this product only in accordance with its labeling and with the Worker Protection Standard.

40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Noncrop weed control is not within the scope of the Worker Protection Standard. Do not enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

CIMARRON® PLUS HERBICIDE is a dry-flowable granule that controls or suppresses broadleaf weeds and brush, CIMARRON® PLUS HERBICIDE is mixed in water or can be presjurged in water and added to liquid nitrogen carrier solutions and applied as a uniform broadcast spray. A spray adjuvant must be used in One to two inches of rainfall or sprinkler irrigation (enough to wet the top 2-3 inches of soil profile) is the spray mix unless otherwise specified on this label. CIMARRON® PLUS HERBICIDE is noncorrosive.

nonflammable, nonvolatile and does not freeze. Check with your state extension or Department of Agriculture before use to be certain CIMARRON® PLUS HERBICIDE is registered in your state. DO NOT use CIMARRON® PLUS HERBICIDE in the following HERBICIDE into the weed root zone, weeds that germinate after treatment will not be controlled. counties of Colorado: Alamosa, Conejos, Costilla, Rio Grande, and Saguache. CIMARRON® PLUS HERBICIDE controls weeds by preemergence and postemergence activity. For best

results, apply CIMARRON® PLUS HERBICIDE to young, actively growing weeds. Weeds hardened off by

cold weather or drought stress may not be controlled. The use rate depends upon the weed spectrum and

- size of weeds at application. The degree and duration of control may depend on the following factors:
- Weed spectrum and infestation intensity · Weed size and maturity at application
- · Environmental conditions during and following treatment
- Application rate and coverage

It is permissible to treat intermittently flooded low lying sites, seasonally dry flood plains, and transitional areas between upland and lowland sites when no water is present. It is also permissible to treat

marshes, swamps and bogs after water has receded as well as seasonally dry flood deltas. DO NOT make applications to natural or man-made bodies of water including lakes, reservoirs, ponds, streams and canals.

BIOLOGICAL ACTIVITY CIMARRON® PLUS HERBICIDE is absorbed through the foliage and roots of broadleaf weeds, rapidly

inhibiting their growth. Leaves of susceptible plants appear chlorotic from 1 to 3 weeks after application and the growing point subsequently dies. The final effects on annual weeds are evident about 4 to 6 weeks after application. The ultimate effects on perennial weeds and woody plants occur in the growing seasons following application. needed to move CIMARRON® PLUS HERBICIDE into the weed root zone before the next flush of weeds

emerge. The amount of moisture required for sufficient activation increases with crop or weed residue and for finer textured soils. Without sufficient rainfall or sprinkler irrigation to move CIMARRON® PLUS Application of CIMARRON® PLUS HERBICIDE provides the best control in vigorously growing grasses that shade competitive weeds. Weed control in areas of thin grass may not be as satisfactory. However, a grass canopy that is too dense at application can intercept spray and reduce weed control.

over-grazing), may be injured by applications of CIMARRON® PLUS HERBICIDE. In addition, different species of grass crops may be sensitive to treatment with CIMARRON® PLUS HERBICIDE under otherwise normal conditions (see Application Timing for Established Grasses). Application of CIMARRON® PLUS HERBICIDE to these species may result in injury.

In warm, moist conditions, the expression of herbicide symptoms is accelerated in weeds and brush; in cold and/or dry conditions, expression of herbicide symptoms is delayed. In addition, weeds and

Grasses that are stressed from adverse environmental conditions (including extremes in temperatures

or moisture), abnormal soil conditions (including soils low in potassium), or cultural practices (including

brush hardened-off by drought stress are less susceptible to CIMARRON® PLUS HERBICIDE. Weed and brush control or suppression may be reduced if rainfall, sprinkler irrigation or snowfall occurs within

4 hours after application. Weed control needs to be part of an overall management plan which includes good fertility, adequate moisture (rainfall, irrigation), insect and rodent control, and other agronomic practices that maximize grass growth. Consult your state cooperative extension service, local agricultural dealer, professional consultant or other qualified authority for specific instructions regarding proper management of

rangeland, pastures, grass hay fields, wheat or barley. IMPORTANT RESTRICTIONS

- DO NOT apply this product through any type of irrigation system.
- Injury to or loss of desirable trees or vegetation may result from failure to observe the following: o DO NOT apply CIMARRON® PLUS HERBICIDE, or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical
- may be washed or moved into contact with their roots. o DO NOT use on lawns, walks, driveways, tennis courts, golf courses, athletic fields, commercial sod operations, or other high-maintenance, fine turfgrass areas.
- DO NOT use on grasses grown for seed. DO NOT contaminate irrigation ditches or water used for domestic purposes.
- DO NOT apply to irrigated land where the tailwater will be used to irrigate crops.
- DO NOT apply to frozen or snow covered ground as surface runoff may occur. Treatment of powdery, dry soil or light, sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops when soil
 - particles are moved by wind or water. Injury to crops may result if treated soil is washed, blown, or moved onto land used to produce crops. Injury may be more severe when the crops are irrigated. DO NOT apply CIMARRON® PLUS HERBICIDE when these conditions are identified and powdery, dry

- soil or light or sandy soil are known to be prevalent in the area to be treated.
- Check with your state extension or Department of Agriculture before use to be certain CIMARRON® PLUS HERBICIDE is registered in your state. DO NOT use CIMARRON® PLUS HERBICIDE in the
- following counties of Colorado: Alamosa, Conejos, Costilla, Rio Grande, and Saguache. DO NOT use this product in California. Applications may make some toxic plants more palatable as the weeds are dying. DO NOT graze
- treated areas until toxic plants are dry and unpalatable to livestock.
- For Wheat, Barley, or Fallow Use Sites
- Treated vegetation may be cut for forage or hay. Coveralls, waterproof gloves, and shoes plus socks must be worn if cutting within 4 hours of treatment.
- DO NOT apply more than 0.125 ounces (0.0038 lb ai/acre metsulfuron-methyl and 0.0012 lb ai/acre
- chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre in a single application on wheat and barley. DO NOT apply more than 0.125 ounces/acre (0.0038 lb ai/acre metsulfuron-methyl and 0.0012 lb
- ai/acre chlorsulfuron) per acre per year of CIMARRON® PLUS HERBICIDES on wheat and barley. DO NOT make more than one application per year of CIMARRON® PLUS HERBICIDE on wheat and barley
- - sites when using reduced application rates.
- DO NOT apply more than 0.25 ounces (0.0075 lb ai/acre metsulfuron-methyl and 0.0023 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre in a single application on fallow use sites. DO NOT apply more than 0.25 ounces/acre (0.0075 lb ai/acre metsulfuron-methyl and 0.0023 lb
- ai/acre chlorsulfuron) per acre per year of CIMARRON® PLUS HERBICIDES in applications on fallow DO NOT make more than two application per year of CIMARRON® PLUS HERBICIDE on fallow use
- Allow at least 14 days between applications of CIMARRON® PLUS HERBICIDE on fallow use sites. For Rangeland, Pastures, Grass Hay Fields, or CRP Use Sites
- DO NOT apply more than 2 ounces (0.06 lb ai/acre metsulfuron-methyl and 0.0188 lb ai/acre

- chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre in a single application on rangeland. pasture, grass hay fields, or CRP use sites.
- DO NOT apply more than 2 ounces (0.06 lb ai/acre metsulfuron-methyl and 0.0188 lb ai/acre chlorsulfuron) per acre per year of CIMARRON® PLUS HERBICIDE on rangeland, pasture, grass hay fields, or CRP use sites.
- DO NOT make more than two applications per year of CIMARRON® PLUS HERBICIDE on rangeland, pasture, grass hay fields, or CRP use sites when using reduced application rates. Allow at least 14 days between applications of CIMARRON® PLUS HERBICIDE to rangeland, pasture, grass hay fields
- or CRP use sites. If tank-mixing or sequentially applying products containing metsulfuron-methyl to rangeland, pastures, grass hay fields or grasses in the Conservation Reserve Program (CRP). DO NOT apply more than the equivalent of 1 ounce of metsulfuron-methyl active ingredient per acre per year. If tank-mixing or sequentially applying products containing chlorsulfuron to rangeland, pastures, grass hay fields or grasses in the Conservation Reserve Program (CRP), DO NOT apply more than

the equivalent of 1 ounce of chlorsulfuron active ingredient per acre per year.

- For Non-Cropland Use Sites DO NOT apply more than 5 ounces (0.15 lb ai/acre metsulfuron-methyl and 0.0469 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre in a single application on non-cropland
- use sites. DO NOT apply more than 5 ounces/acre (0.15 lb ai/acre metsulfuron-methyl and 0.0469 lb ai/acre chlorsulfuron) per acre per year of CIMARRON® PLUS HERBICIDES in applications on non-cropland use sites.
- · DO NOT make more than two applications per year of CIMARRON® PLUS HERBICIDE on noncropland sites when using reduced application rates. Allow at least 14 days between applications of CIMARRON® PLUS HERBICIDE.

ai/acre metsulfuron-methyl and 0.0188 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre or less. At use rates greater than 2 ounces per acre and up to 4 ounces (0.12 lb ai/acre metsulfuron-methyl and 0.0376 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre, forage grasses may be cut for hay, fodder or green forage and fed to livestock, including lactating animals, 3 days after treatment.

When used as directed, there is no grazing or having restriction for use rates of 2 ounces (0.06 lb

Grass species or varieties may differ in their response to various herbicides. ENVIRONMENTAL

- IMPORTANT PRECAUTIONS
- CIMARRON® PLUS HERBICIDE may cause injury to desirable trees and plants when contacting their roots, stems or foliage. These plants are most sensitive to CIMARRON® PLUS HERBICIDE during their development or growing stage.
- SCIENCE U.S., LLC specifies that you first consult your state experiment station, university, or extension agent as to sensitivity to any herbicide. If no information is available, limit the initial use of CIMARRON® PLUS HERBICIDE to a small area. Components in a grass seed mixture will vary in sensitivity to CIMARRON® PLUS HERBICIDE so the final stand may not reflect the seed ratio.
- Under cértain conditions including heavy rainfall, high pH, prolonged cold weather, or wide fluctuations in day/night temperatures prior to or soon after CIMARRON® PLUS HERBICIDE application, temporary discoloration and/or grass injury may occur. CIMARRON® PLUS HERBICIDE must not be applied to grass that is stressed by severe weather conditions, drought, low fertility, water-saturated soil, disease, or insect damage, as grass injury may result. Severe winter stress,
- drought, disease, or insect damage before or following application also may result in grass injury. Applications of CIMARRON® PLUS HERBICIDE to sites undersown with legume crops may cause severe injury to the legumes. Legumes in a seeding mixture may be severely injured or killed following an application of CIMARRON® PLUS HERBICIDE.

- Applications made where runoff water flows onto agricultural land may injure crops. Applications
 made during periods of intense rainfall, to soils saturated with water, to surfaces paved with
 materials including asphall or concrete, or soils through which rainfall will not readily penetrate
 may result in runoff and movement of CIMARRON® PLUS HERBICIDE. Treated soil needs to be
- leff undisturbed to reduce the potential for CIMARRON® PLUS HERBICIDE movement by soil compatibility test before mixing CIMARRON® PLUS HERBICIDE in fertilizer solution.

 CIMARRON® PLUS HERBICIDE in fertilizer solution.

 CIMARRON® PLUS HERBICIDE must first be slurried with water then added to liquid nitrogen solutions.

 For ground applications applied to weeds when dry, dusty field conditions exist, control of weeds in (e.g. 280-0, 32-0-0). Ensure that the aditator is running while the CIMARRON® PLUS HERBICIDE is added.
- wheel track areas may be reduced.

 Avoid disturbing (e.g. mowing) treated areas for at least 7 days following application.
- Avoid disturbing (e.g. mowing) freated areas for at least / days following application.
 When using tank mixtures of CIMARRON® PLUS HERBICIDE with companion herbicides, read and follow all use instructions, application rates, warnings, and precautions appearing on the labels.

Follow the most restrictive label instructions for each of the herbicides used.

WHEAT AND BARLEY
CIMARRON® PLUS HERBICIDE may be applied alone for control of emerged broadleaf weeds postemergence, or in combination with other suitable registered herbicides for wheat and barley in the states
of Kansas, New Mexico, Oklahoma, and Texas. Read and follow all manufacturers label instructions for
the companion herbicide. If those instructions conflict with this label, D0 NOT tank mix the herbicide
with CIMARRON® PLUS HERBICIDE. If another herbicide is tank mixed with CIMARRON® PLUS HERBICIDE.

companion herbicide. Use rate and adjuvant:

Use rate and adjuvant:

Apply 0.125 ounces per acre of CIMARRON® PLUS HERBICIDE (0.0038 lb ai/acre metsulfuron-methyl and 0.0012 lb ai/acre chlorsulfuron). Include a non-ionic surfactant as an adjuvant. Thorough spray coverage of all weed species is very important.

to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the

Application timing:

DO NOT apply during boot and early heading, as crop injury may result.

Applications with Liquid Nitrogen Solution Fertilizer:

Liquid nitrogen fertilizer solutions may be used as a carrier in place of water. Run a tank mix compatibility test before mixing CIMARRON® PLUS HERBICIDE in fertilizer solution. CIMARRON® PLUS HERBICIDE must first be slurried with water then added to liquid nitrogen solutions (e.g. 28-0-0, 32-0-0). Ensure that the agitator is running while the CIMARRON® PLUS HERBICIDE is added. Use of this mixture may result in temporary crop yellowing and stunting.

If using low rates of liquid nitrogen fertilizer in the spray solution (less than 50% of the spray solution).

volume), the addition of surfactant is necessary. Add surfactant at 0.5 pt to 1 qt per 100 gal of spray solution (0.06 to 0.25% v/v) based on local specifications.

When using high rates of liquid nitrogen fertilizer in the spray solution, adding surfactant increases the risk of crop injury. Consult your agricultural dealer, consultant, fieldman, or Environmental Science U.S., LLC representative for specifications before adding an adjuvant to these tank mixtures.

ILC representative for specifications before adding an adjuvant to these tank mixtures.

be more compatible (See manufacturer's label). DO NOT add surfactant when using CIMARRON® PLUS HERBICIDE in tank mix with 24-D ester or MCPA ester and liquid nitrogen fertilizer solutions. Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response.

DO NOT use low rates of liquid fertilizer as a substitute for a surfactant.

DO NOT use with liquid fertilizer solutions with a pH less than 3.0.

IRRIGATED WHEAT AND BARLEY Make applications after the crop begins tillering but before boot. Delay first post-treatment irrigation for at least 3 days after treatment and must not exceed 1 inch of water.

DRYLAND WHEAT AND BARLEY
Make applications after the crop is in the 2-leaf stage but before boot.

applications after the crop is in the z-le

GRAZING

There are no grazing restrictions on CIMARRON® PLUS HERBICIDE.

WEED CONTROL INFORMATION CIMARRON® PLUS HERBICIDE may be applied post emergence to control or suppress weeds listed on, but not limited to, this label. For best results, treat weeds when they are small and actively growing. Unless otherwise directed, treat when broadleaf weeds are less than 4" tall or in diameter (natural size - not after mowing or grazing).

WEEDS CONTROLLED IN	N WHEAT AND BARLEY	,		,	
0.125 ounces/acre (0.0038	lb ai/acre metsulfuron-methyl;	0.0012 lb ai/acre chlors	ulfuron)	·	
Annual sowthistle*‡	Common lambsquarters†	Filaree	Miners lettuce	Slimleaf lambsquarters	Tumble pigweed
Blue/purple mustard*	Common purslane	Flixweed*†	Pale smartweed	Smallseed falseflax*†	Volunteer sunflower*‡
Bur buttercup (testiculate)	Common sunflower*‡	Green Smartweed	Plains coreopsis	Smooth pigweed†	Waterpod
Canada thistle*‡	Conical catchfly	Henbit	Prickly lettuce*†	Snow speedwell	Wild buckwheat*‡
Coast fiddleneck (tarweed)	Corn gromwell*‡	Jim Hill mustard	Prostrate knotweed *‡	Tansymustard*	Wild mustard
Common broomweed	Cowcockle	Kochia*†	Redroot pigweed†	Texas filaree	Wild sunflower*‡
Common chickweedt	False chamomile	Ladvethumh	Russian thistle*†	Treacle mustard*† (Bushy Wallflower)	

* See the Specific Weed Problems in Wheat and Barley section.

Mayweed chamomile

Common groundsel

‡ Weed suppression is a reduction in weed competition (reduced population and/or vigor) as visually compared to an untreated area. The degree of suppression varies with the rate used, the size of the weeds, and the environmental conditions following treatment.

Tumble mustard

† Naturally occurring resistant biotypes of these weeds are known to occur. See WEED RESISTANCE section of the label for more information.

Specific Weed Problems in Wheat and Barley mustards, but before bloom, For Tansy mustard, Flixweed, Treacle mustard and Small seeded falseflax

Shepherd's purse

Field pennycress (fanweed)

Canada thistle and annual sowthistle: Apply CIMARRON® PLUS HERBICIDE plus surfactant or CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA in the spring after the majority of thistles have emerged and are small (rosette stage to 6" elongating stems) and actively growing. The application will metsulfuron-methyl and 0.0012 to 0.0023 lb ai/acre chlorsulfuron). Include a nonionic surfactant, inhibit the ability of emerged thistles to compete with the crop.

Corn gromwell and prostrate knotweed: Apply CIMARRON® PLUS HERBICIDE plus surfactant when weeds are actively growing, are no larger than 2" tall, and when crop canopy will allow thorough coverage. Tank mixing 2.4-D or MCPA with CIMARRON® PLUS HERBICIDE can improve results.

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds are field bioassay must be completed before rotating to any other crop). See CROP ROTATION for more known to occur. For best results, use CIMARRON® PLUS HERBICIDE in a tank mix with dicamba plus 2.4-D or bromoxynil plus 2.4-D ester. Apply in the spring when kochia, Russian thistle, and prickly lettuce are Application timing less than 2" tall or 2"across and are actively growing.

Sunflower (common, volunteer, or wild): Apply either CIMARRON® PLUS HERBICIDE plus surfactant fall when the majority of weeds have emerged and are actively growing. or CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA after the majority of sunflowers have emerged, are 2" to 4" tall and are actively growing. Use spray volumes of at least 3 gallons by air or 5 gallons by ground. Wild Buckwheat: For best results, apply CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA when plants have no more than 3 true leaves (not counting the cotyledons). If plants are not actively growing, delay treatment until environmental conditions favor active weed growth.

FALLOW

CIMARRON® PLUS HERBICIDE may be applied alone for control of emerged broadleaf weeds postemergence, or in combination with other suitable registered herbicides for fallow weed control in the states of Kansas, New Mexico, Oklahoma, and Texas. Read and follow all manufacturers label instructions for the companion herbicide. If those instructions conflict with this label, DO NOT tank mix the herbicide with CIMARRON® PLUS HERBICIDE. If another herbicide is tank mixed with CIMARRON® PLUS HERBICIDE to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

Use rates and adjuvant

Apply CIMARRON® PLUS HERBICIDE at 0.125 to 0.25 ounces per acre (0.0038 to 0.0075 lb ai/acre petroleum based crop oil concentrate, or vegetable-seed oil- based product (methylated seed oils are considered a vegetable seed-based oil). When using more than 0.125 ounces per acre of CIMARRON® PLUS HERBICIDE (0.0038 lb ai/acre metsulfuron-methyl and 0.0012 lb ai/acre chlorsulfuron), the fallow area is best planted to cereals (a

information.

CIMARRON® PLUS HERBICIDE may be used as a fallow treatment any time from the spring through the

WEED CONTROL INFORMATION

CIMARRON® PLUS HERBICIDE may be applied post emergence to control or suppress weeds listed on, but not limited to, this label. For best results, treat weeds when they are small and actively growing. Unless otherwise directed, treat when broadleaf weeds are less than 4" tall or in diameter (natural size - not after mowing or grazing).

WEEDS CONTROLLED IN FALLOW APPLICATIONS

0.125 to 0.25 ounces/acre	(0.0038 to 0.0075 lb ai/acre	metsulfuron-methyl and 0.0	012 to 0.0023 lb ai/acre ch	lorsulfuron)	
Annual sowthistle*‡	Common groundsel	False chamomile	Miners lettuce	Slimleaf lambsquarters	Volunteer sunflower*‡
Blue/purple mustard*	Common lambsquarters†	Field pennycress (fanweed)	Pale smartweed	Smallseed falseflax*†	Waterpod
Bur buttercup (testiculate)	Common purslane	Flixweed*	Plains coreopsis	Smooth pigweed†	Wild buckwheat*‡
Buttercup	Common sunflower*‡	Green smartweed	Plantain (except buckhorn)	Snow speedwell	Wild garlic*
Canada thistle*‡	Conical catchfly	Henbit	Prickly lettuce*†	Tansymustard*	Wild mustard
Carolina geranium	Corn gromwell*‡	Jim Hill mustard	Prostrate knotweed*‡	Texas filaree	Wild sunflower*‡
Coast fiddleneck (tarweed)	Cowcockle	Kochia*†	Redroot pigweed†	Treacle mustard*† (Bushy Wallflower)	
Common broomweed	Cutleaf evening primrose*‡	Ladysthumb	Russian thistle*†	Tumble mustard	
Common chickweed	Dandelion	Mayweed chamomile	Shepherd's purse	Tumble pigweed	

^{*} See the Specific Weed Problems in Fallow section.

Specific Weed Problems in Fallow
Blue Mustard, flixweed, small seeded falseflax, tansymustard, treacle mustard: For best
results, apply CIMARRON® PLUS HERBICIDE tank mixtures with 2,4-D or MCPA postemergence to mustards, but before bloom. For Tansy mustard, Flixweed, Treacle mustard and Small seeded falseflax control, apply CIMARRON® PLUS HERBICIDE plus 2,4-D ester.

Canada thistle, annual sowthistle and cutleaf evening primrose: Apply CIMARRON® PLUS HERBICIDE plus surfactant or CIMARRON® PLUS HERBICIDE plus 2,4-D or MCPA in the spring after the majority of thistles have emerged and are small (rosette stage to 6" elongating stems) and actively growing. The application will inhibit the ability of emerged this- tles to compete with the crop. Corn gromwell and prostrate knotweed: Apply CIMARRON® PLUS HERBICIDE plus surfactant

[‡] Weed suppression is a reduction in weed competition (reduced population and/or vigor) as visually compared to an untreated area. The degree of suppression varies with the rate used, the

size of the weeds, and the environmental conditions following treatment. † Naturally occurring resistant biotypes of these weeds are known to occur. See WEED RESISTANCE section of the label for more information.

when weeds are actively growing, are no larger than 2" tall, and when crop canopy will allow thorough coverage. Tank mixing 2.4-D or MCPA with CIMARRON® PLUS HERBICIDE can improve results.

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds moisture regularly when considering crop rotations. are known to occur. For best results, use CIMARRON® PLUS HERBICIDE in a tank mix with dicamba plus 2.4-D or bromoxynil plus 2.4-D ester. Apply in the spring when kochia, Russian thistle, and prickly lettuce are less than 2" tall or 2"across and are actively growing (refer to the Tank Mixtures section of this label for additional details).

Sunflower (common, volunteer, or wild): Apply either CIMARRON® PLUS HERBICIDE plus surfactant PLUS HERBICIDE could remain active in the soil for 34 months or more, injuring subsequent crops. or CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA after the majority of sunflowers have emerged. are 2" to 4" tall and are actively growing. Use spray volumes of at least 3 gallons by air or 5 gallons. Before using CIMARRON® PLUS HERBICIDE, determine the soil pH of the areas of intended use. To obtain by around.

Wild Buckwheat: For best results, apply CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA when plants have no more than 3 true leaves (not counting the cotyledons). If plants are not actively growing, delay soil sampling procedures. treatment until environmental conditions favor active weed growth.

is less than 12" tall with 2" to 4" of new growth.

CROP ROTATION

Minimum Rotational Intervals

Minimum rotation intervals (the period of time from the last application to the anticipated date of the next planting) are determined by the rate of breakdown of CIMARRON® PLUS HERBICIDE applied. CIMARRON® PLUS HERBICIDE breakdown in the soil is affected by soil pH, presence of soil microorganisms, soil temperature, and soil moisture. Low soil pH, high soil temperature, and high soil moisture increase CIMARRON® PLUS HERBICIDE breakdown in soil, while high soil pH, low soil temperature, and low soil moisture slow CIMARRON® PLUS HERBICIDE breakdown. Of these 3 factors,

only soil pH remains relatively constant. Soil temperature, and to a greater extent, soil moisture, can vary significantly from year to year and from area to area. For this reason, monitor soil temperatures and soil Soil pH Limitations

CIMARRON® PLUS HERBICIDE can have extended residual activity when applied on soils with pH higher than 7.9. Sufficient time must be allowed between application and planting of sensitive crops (all crops other than labeled perennial grasses; See Established Grasses Section). Under certain conditions, CIMARRON®

Checking Soil pH a representative pH value for the test area, take several 0" to 4" samples from different areas of the field and analyze them separately. Consult local extension publications for additional information on specified Bioassay

Wild Garlic: For best results, apply CIMARRON® PLUS HERBICIDE in the early spring when wild garlic A field bioassay must be completed before rotating to any crop not listed (See the Rotation Intervals table), or if the soil pH is not in the specified range, or if the use rate applied is not specified in the table, or if the minimum cumulative precipitation has not occurred since application. To conduct a field bioassay, grow test strips of the crop or crops you plan to grow the following year in fields previously treated with CIMARRON PLUS HOERBICDE. Crop response to the bioassay will indicate whether or not to rotate to the crop(s) grown in the test strips. If a field bioassay is planned, check with your local Agricultural dealer or Environmental Science U.S., LLC representative for information detailing the field bioassay procedure. Before using CIMARRON® PLUS HERBICIDE, carefully consider your crop rotation plans and options. For rotational flexibility, DO NOT treat all of your wheat or barley acres at the same time.

Rotational Intervals for Cereals
All Areas - Following Use of CIMARRON® PLUS HERBICIDE at 0.125 to 0.25 ounces per Acre (0.0038 to 0.0075 lb ai/acre metsulfuron-methyl and 0.012 to 0.0023 b ai/acre chlorsulfuron)

	-,		
Crop	Soil pH	Minimum Cumulative Precipitation (inches)	Minimum Rotation Interval (months)
Winter and spring wheat (except durum) Durum wheat, barley, spring/ winter oat	7.9 or lower 7.9 or lower	No restrictions No restrictions	1 10

Rotational Intervals for Crops in Non-Irrigated Land Following Use of CIMARRON® PLUS HERBICIDE at 0.125 ounces per Acre (0.0038 lb ai/acre metsulfuron-methyl and 0.0012 lb ai/acre chlorsulfuron)

	Location	Crop	Soil pH	Minimum Cumulative	Minimum Rotation Interval
State	County or Area			Precipitation (inches)	(months)
Kansas	Statewide	Grain sorghum, Proso millet	7.9 or lower	No restrictions	10
		Flax, Safflower, Sunflower	7.9 or lower	No restrictions	22
	Central & Western	Field corn	7.9 or lower	15	12
	Kansas (West of the Flint Hills)	Clearfield® Corn	7.9 or lower	15	4
	Western Kansas W. of Hwy. 183	Soybeans	7.5 or lower 7.6-7.9	22 33	22 34
	Central Kansas; generally E. of Hwy.	Soybeans	7.9 or lower	15	12
	183 and W. of the Flinthills	STS® Soybeans	7.9 or lower	15	4

15 (continued)

Rotational Intervals for Crops in Non-Irrigated Land (continued) Following Use of CIMARRON® PLUS HERBICIDE at 0,125 ounces per Acre (0,0038 lb gi/gcre metsulfuron-methyl and 0,0012 lb gi/gcre chlorsulfuron)

	Location	Crop	Soil pH	Minimum Cumulative	Minimum Rotation Interval
State	County or Area			Precipitation (inches)	(months)
New Mexico	Statewide	Grain sorghum, Proso millet	7.9 or lower	No restrictions	10
		Flax, Safflower, Sunflower	7.9 or lower	No restrictions	22
	Eastern New Mexico	Cotton (dryland only)	7.9 or lower	30	22
Oklahoma	Statewide	Grain sorghum, Proso millet	7.9 or lower	No restrictions	10
		Flax, Safflower, Sunflower	7.9 or lower	No restrictions	22
		Field corn	7.9 or lower	15	12
		Clearfield Corn STS® Soybean	7.9 or lower	No restrictions	4
	Panhandle	Cotton (dryland only)	7.9 or lower	30	22
	E. of the Panhandle	Cotton (dryland only)	7.9 or lower	25	14
exas	Statewide	Grain sorghum, Proso millet	7.9 or lower	No restrictions	10
		Flax, Safflower, Soybean, Sunflower	7.9 or lower	No restrictions	22
	Panhandle	Field corn	7.9 or lower	15	12
		Cotton (dryland only)	7.9 or lower	30	22

(continued)

Rotational Intervals for Crops in Non-Irrigated Land (continued)

Following Use of CIMARRON® PLUS HERRICIDE at 0.125 purpose per Acre (0.0038 lb ai/gare metsulfuron methyl and 0.0013 lb ai/gare ablamulturen)

rollowing	USE OF CHMARKON PLUS HERB	iCiDE at 0.125 burices per Acre (0.003	o ib di/dere metsum	uron-metnyi ana 0.0012 ii	di/acre chiorsulturon)
	Location	Стор	Soil pH	Minimum Cumulative	Minimum Rotation Interval
State	County or Area			Precipitation (inches)	(months)
Texas	N. Central Texas*	Field corn	7.9 or lower	15	12
Tendo		Cotton (dryland only)	7 9 or lower	25	14

^{*} The counties of N. Central Texas are: Archer, Baylor, Bell, Bosque, Bowie, Callahan, Camp, Cass, Clay, Collin, Cooke, Coryell, Dallas, Delta, Denton, Eastland, Ellis, Falls, Fannin, Foard, Franklin, Grayson, Hardeman, Haskell, Hill, Hood, Hopkins, Hunt, Jack, Johnson, Kaufman, Knox, Lamar, Limestone, McLennan, Milam, Montague, Morris, Nafarro, Palo Pinto, Parker, Rains, Red River, Robertson, Rockwall, Shackelford, Someryell, Stephens, Tarrent, Throckmorton, Titus, Upshur, Van Zandt, Wilbarger, Wichita, Williamson, Wise, Wood, Young,

RANGELAND, PASTURES, GRASS HAY FIELDS AND CRP CIMARRON® PLUS HERBICIDE is registered for use on land primarily dedicated to the production of

grass forage in rangeland, pastures, grass hay fields or grasses in the Conservation Reserve Program (CRP). This product may be used on selected uncultivated areas (fence rows, farmyards, and rights-ofway) directly adjacent to, or which transect or pass through, treated pastures, rangeland, or CRP, where grazing or harvesting for animal feed of those uncultivated areas may occur. NEW PLANTINGS

CIMARRON® PLUS HERBICIDE can be used for the control or suppression of broadleaf weeds to aid in

the establishment of the following perennial native or improved grasses planted in rangeland, pastures, grass hav fields or acres enrolled in the Conservation Reserve Program (CRP): Green sprangletop Indiangrass

Blue Grama Kleingrass Wheatgrasses -Wildrye grass -Bluestems -Lovegrasses crested Russian intermediate atherstone little sand pubescent

slender plains weeping wilman streambank sand WW spar Orchardgrass tall Buffalograss Sideoats grama thickspike

blackwell

Switchgrass western

Maximize potential for grass establishment by consulting with the Natural Resources and Conservation Service or other local experts concerning planting techniques and other cultural practices. Due to the

inability of newly planted grass stands to sufficiently compete with weeds, and the severity of weed pressure in new grass stands, performance from CIMARRON® PLUS HERBICIDE may not always be satisfactory. An additional herbicide application with a different mode of action or mowing may be needed. Only make one CIMARRON® PLUS HERBICIDE application in the year of planting.

pastures, grass hay fields or CRP, Include a spray adjuvant (see SPRAY ADJUVANTS section). Preplant (prior to planting) or Preemergence (after planting but before grass emergence) Apply CIMARRON® PLUS HERBICIDE preplant or preemergence at 0.125 ounce/acre (0.0038 lb ai/ acre metsulfuron-methyl; 0.0012 lb ai/acre chlorsulfuron) plus a non-ionic surfactant at the rate of 4 pints/100 gallons of spray solution on all labeled grasses except orchardgrass and Russian wildrye grass. DO NOT apply CIMARRON® PLUS HERBICIDE preplant or preemergence to orchardgrass and grasses that have been inter-seeded with cereal grasses for grazing (e.g barley, oats, rye and wheat). Russian wildrye grass as severe crop injury may result.

Early postemergence to new plantings

Apply CIMARRON® PLUS HERBICIDE at 0.125 ounce/acre, (0.0038 lb ai/acre metsulfuron-methyl; 0.0012 Ib ai/acre chlorsulfuron) plus a non-ionic surfactant at the rate of 2 to 4 pints/100 gallons of spray Pasture Grass solution on all labeled grasses anytime after grass emergence. DO NOT use a spray adjuvant other than non-ionic surfactant. Because grass species differ in time of emergence, apply only after majority of grasses are in the 3 to 4 leaf stage.

Postemergence to stands with 1-5 leaf grasses planted the previous season Apply CIMARRON® PLUS HERBICIDE at 0.125 ounce/(0.0038 lb ai/acre metsulfuron-methyl; 0.0012 lb ai/acre chlorsulfuron) acre plus a non-ionic surfactant at the rate of 2 to 4 pints/100 gallons of spray solution, on all labeled grasses when the majority of the grasses have one or more leaves. DO NOT use a spray adjuvant other than non-ionic surfactant.

ESTABLISHED GRASSES

Use Rates for Established Grasses

Apply 0.125 to 1.25 ounces CIMARRON® PLUS HERBICIDE(0.0375 lb ai/acre to 0.0038 lb ai/acre metsulfuron-methyl and 0.0117 lb ai/acre to 0.0012 lb ai/acre chlorsulfuron) per acre as a broadcast

application to established grasses in rangeland, pastures, grass hav fields or acres enrolled in the Conservation Reserve Program (CRP) and/or undesirable vegetation in uncultivated areas (fence rows. farmyards, and rights-of-way) which are adjacent to, or pass through or transect, treated rangeland,

Application Timing for Established Grasses CIMARRON® PLUS HERBICIDE may be applied to established native grasses e.g. bluestems and grama, and on other established pasture grasses including bermudagrass, bluegrass, orchardgrass, bromegrass, and fescue that were planted the previous growing season (or earlier) and are fully tillered, unless otherwise directed on this label, CIMARRON® PLUS HERBICIDE may also be applied to established

Specific application timing information on several of these grass species follows: Minimum time from grass establishment to CIMARRON® PLUS HERBICIDE application

24 months

Bermudagrass 2 months Bluegrass, bromegrass 6 months (except Matua bromegrass), and orchardgrass 12 months

Fescue **Buffalograss Restrictions:**

- DO NOT use CIMARRON® PLUS HERBICIDE on buffalograss that has been established for less than one year or on stands grown for seed production.
- DO NOT apply more than 0.625 ounces per acre (0.0188 lb ai/acre metsulfuron-methyl and 0.0059 Ib ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per application to buffalograss.
- DO NOT apply more than 1.25 ounces (0.0376 lb ai/acre metsulfuron-methyl and 0.0118 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre per year.

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 DO NOT make more than two applications per year of CIMARRON® PLUS HERBICIDE on Buffalograss when using reduced application rates. Allow at least 14 days between applications of CIMARRON® PLUS HERBICIDE.

Fescue Restrictions:

Note that CIMARRON® PLUS HERBICIDE may temporarily stunt fescue, cause it to turn vellow. or cause seedhead suppression. To minimize these symptoms, take the following precautions:

- · Make application later in the spring after the new growth is 5 to 6 inches tall, or in the fall. DO NOT use more than 0.5 ounces (0.015 lb ai/acre metsulfuron-methyl and 0.0047 lb ai/acre Use a non-ionic surfactant at 0.5 pint per 100 gallons (0.06% v/v). DO NOT use a spray adjuvant other
- chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre per application. • DO NOT make more than two applications per year of CIMARRON® PLUS HERBICIDE on Fescue grass when using reduced application rates. Allow at least 14 days between applications of CIMARRON® PLUS HERBICIDE.
- chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre per year. Use a non-ionic surfactant at 0.5 to 1 pint per 100 gallon of spray solution (0.06 to 0.12% v/v). DO NOT use a spray adjuvant other than non-ionic surfactant.
- DO NOT use surfactant when liquid nitrogen is used as a carrier.

The first cutting yields may be reduced due to seedhead suppression resulting from throughout the season, larger acreage may be treated the following season. treatment with CIMARRON® PLUS HERBICIDE.

Timothy Restrictions: Timothy must be at least 6" tall at application and be actively growing. Applications of CIMARRON® PLUS HERBICIDE to timothy under any other conditions may cause crop yellowing and/or stunting. To minimize these symptoms, take the following precautions:

- Make applications in the late summer or fall. DO NOT use more than 0.375 ounce (0.0113 lb ai/acre metsulfuron-methyl: 0.0035 lb ai/acre chlor-

- sulfuron) of CIMARRON® PLUS HERBICIDE per acre per application.
- DO NOT make more than two applications per year of CIMARRON® PLUS HERBICIDE on Timothy grass when using reduced application rates. Allow at least 14 days between applications of CIMAR-RON® PLUS HERBICDE.
- DO NOT use more than 0.375 ounce (0.0113 lb ai/acre metsulfuron-methyl; 0.0035 lb ai/acre chlorsulfuron) of CIMARRON® PLUS HERBICIDE per acre per year. Use the lowest specified rate for target weeds.
- than non-ionic surfactant. DO NOT use surfactant when liquid nitrogen is used as a carrier.
- Tank mix CIMARRON® PLUS HERBICIDE with 2.4-D. Other Pasture and Grasses Restrictions:

WEED CONTROL INFORMATION

loss of Pensacola bahiagrass, ryegrass (Italian or perennial) and Garrison's creeping foxtail pastures. Varieties and species of forage grasses differ in their sensitivity to herbicides. When using CIMARRON® PLUS HERBICIDE on a particular grass for the first time, limit use to a small area. If no injury occurs

CIMARRON® PLUS HERBICIDE may be applied post emergence to control or suppress weeds listed on, but not limited to, this label. For best results, treat weeds when they are small and actively growing. Unless otherwise directed, treat when broadleaf weeds are less than 4" tall or in diameter (natural size - not after mowing or grazing). Broadleaf pasture species, e.g. alfalfa and clover, are highly sensitive to CIMARRON® PLUS HERBICIDE and will be severely stunted or injured.

St. Augustine grass. Applications of CIMARRON® PLUS HERBICIDE may cause severe injury to and/or

• DO NOT use more than 0.5 ounces (0.015 lb ai/acre metsulfuron-methyl and 0.0047 lb ai/acre DO NOT use on bentgrass or susceptible grass pastures including carpetgrass, Matua bromegrass or

WEEDS CONTROLLED IN PANGELAND, PASTURES, GRASS HAVE IFINS AND CRP APPLICATION

WEEDS CONTROLLED IN R	RANGELAND, PASTURES, G	RASS HAY FIELDS AND CF	RP APPLICATIONS		
0.125 to 0.25 ounces/acr	e (0.0038 to 0.0075 lb ai/a	cre metsulfuron-methyl and	d 0.0012 to 0.0023 lb ai/acre	chlorsulfuron)	
Annual sowthistle*‡	Common groundsel	False chamomile	Miners lettuce	Slimleaf lambsquarters	Volunteer sunflower*‡
Blue/purple mustard*	Common lambsquarters†	Field pennycress (fanweed)	Pale smartweed	Smallseed falseflax*†	Waterpod
Bur buttercup (testiculate)	Common purslane	Flixweed*	Plains coreopsis	Smooth pigweed†	Wild buckwheat*‡
Buttercup	Common sunflower*‡	Green smartweed	Plantain (except buckhorn)	Snow speedwell	Wild garlic*
Canada thistle*‡	Conical catchfly	Henbit	Prickly lettuce*†	Tansymustard*	Wild mustard
Carolina geranium	Corn gromwell*‡	Jim Hill mustard	Prostrate knotweed*‡	Texas filaree	Wild sunflower*‡
Coast fiddleneck (tarweed)	Cowcockle	Kochia*†	Redroot pigweed†	Treacle mustard†* (Bushy Wallflower)	
Common broomweed	Cutleaf evening primrose*‡	Ladysthumb	Russian thistle*†	Tumble mustard	
Common chickweed	Dandelion	Mayweed chamomile	Shepherd's purse	Tumble pigweed	
0.25 to 0.375 ounces/acr	e (all weeds above plus the	following) (0.0075 to 0.011	3 lb ai/acre metsulfuron-met	hyl and 0.0023 to 0.0035 lb ai/acre	chlorsulfuron)
Annual marshelder	Buckbrush‡	Common yarrow	Marestail/Horseweed†	Scotch thistle*	Woolly croton*
Bitter sneezeweed	Burclover	Curly dock	Musk thistle*	Western snowberry‡	
Blackeyed-Susan	Common broomweed	Horsemint (beebalm)	Purple scabious	Wild carrot	
0.375 to 0.625 ounces/ac	cre (all weeds above plus th	e following) (0.0113 to 0.0	188 lb ai/acre metsulfuron-r	nethyl and 0.0035 to 0.0059 lb ai/a	cre chlorsulfuron)
Annual sowthistle	Clover	Dogfennel	Pennsylvania smartweed	Seaside arrowgrass	Wood sorrel
Aster	Cockleburt	Goldenrod	Pensacola bahiagrass*	Silky crazyweed (locoweed)	Yankeweed
Bittercress	Corn cockle	Maximillion sunflower	Redstem filaree	Sweet clover	
Chicory	Crown vetch	Multiflora rose*‡	Rough fleabane	Wild lettuce	

(continued)

WEEDS CONTROLLED IN RANGELAND PASTURES GRASS HAVE FIFLDS AND CRP APPLICATIONS (continued)

WEEDS CONTROLLED I	N KANGLLAND, FASTO	NEO, GRAGO HAT FILLDO ANL	CKF AFFLICATIONS (CONTINUEU)		
0.625 to 1.25 ounces/	acre (all weeds above pl	us the following) (0.0188 to 0	0.0375 lb ai/acre metsulfuron-meth	yl and 0.0059 to 0.0117 lb ai/	acre chlorsulfuron)
Black henbane	Common crupina	Fringed sagebrush*	Honeysuckle	Rosering gaillardia	Teasel
Blackberry	Common mullein	Garlic mustard	Multiflora rose & other wild roses*	Sericea lespedeza*	Wild caraway
Broom snakeweed*	Dewberry	Gorse	Oxeye daisy	Spotted knapweed*	Yucca*
Buckhorn plantain	Dyer's woad	Halogeton	Plumeless thistle*	Tansy ragwort	Sericea lespedeza*
1.25 to 2.0 ounces/ac	re (all weeds above plus	the following) (0.0375 to 0.0	60 lb ai/acre metsulfuron-methyl a	nd 0.0117 to 0.0188 lb ai/acre	chlorsulfuron)
Ash‡	Common snowberry*	Hawthorne‡	Purple loosestrife	Scotch thistle	Whitetop (hoary cress)
Aspen‡	Common tansy	Houndstongue	Purple scabious	St. Johnswort	Wild Iris
Black locust‡	Elm‡	Lupine	Rush skeletonweed*‡	Sulphur cinquefoil	Willow
Bull thistle	Field bindweed‡	Mountain snowberry*	Salmonberry	Thimbleberry	Yellow poplar
Camelthorne‡	Greasewood	Perennial pepperweed	Salsify	Tree of heaven	

Western salsify

Gumweed

Cherry‡

Specific Weed Problems in Rangeland, Pastures, Grass Hay Fields and CRP section.

Note: For best results, thorough spray coverage of all weed species listed below is very important. Blue/Purple Mustard, Flixweed, small seeded falseflax, tansymustard, and treacle mustard:

Poison hemlock

For best results, apply CIMARRON® PLUS HERBICIDE in tank mixtures with 2,4-D or MCPA postemergence to mustards, but before bloom. 21

Scouringrush

^{*} See the Specific Weed Problems in Rangeland, Pastures, Grass Hay Fields and CRP section.

‡ Weed suppression is a reduction in weed competition (reduced population and/or vigor) as visually compared to an untreated area. The degree of suppression varies with the rate used, the size of the weeds, and the environmental conditions following treatment.

† Naturally occurring resistant biotypes of these weeds are known to occur. See WEED RESISTANCE section of the label for more information.

Broom Snakeweed: For best results, apply CIMARRON® PLUS HERBICIDE during and after full flowering stage in the fall when growth conditions are good. Applications of CIMARRON® PLUS HERBICIDE in the spring are best timed at peak plant growth when growing conditions are good and may provide suppression only. Applications made during drought conditions may not give satisfactory results.

Supplession bits, apply entered and anough south state. For suppression with broadcast applications, apply either CIMARRON® PLUS HERBICIDE with broadcast applications, apply either CIMARRON® PLUS HERBICIDE with the spring after the majority of thistiles have emerged and are small (rosette stage to 6" elongating stems) and actively growing. The application will inhibit the ability of emerged thistles to compete with grass.

For suppression with spot applications, apply as a foliar spray once plant is fully leaFed.

Corn Gromwell, Cutleaf Evening Primrose and Prostrate Knotweed: Apply CIMARRON® PLUS

HERBICIDE when weeds are actively growing, are no larger than 2" tall, and when crop canopy will allow
thorough coverage. Tank mixing 2,4-0 or MCPA with CIMARRON® PLUS HERBICIDE can improve results.

Fringed Sagebrush: For control, apply CIMARRON® PLUS HERBICIDE plus 2,4-0 ester. Applications can be
made in the spring or early summer after 6 inches of new growth has occurred and plants are actively growing.

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds
are known to occur. For best results, use CIMARRON® PLUS HERBICIDE in a tank mix with dicamba
and 2,4-D. Apply in the spring when kochia, Russian thistle, and prickly lettuce are less than 2" tall or 2"
across and are actively growing.

Multiflora Rose: For control with broadcast applications, apply CIMARRON® PLUS HERBICIDE as a broadcast application when multiflora rose is less than 3' tall. Apply in the spring, soon after multiflora sore is fully leafed.

Such saled by the property of the spring soon after multiflora sore is fully leafed.

Such saled by the property of the spring soon after multiflora sore is fully leafed.

Musk Thistle, Scotch Thistle: Apply CIMARRON® PLUS HERBICIDE in the spring or early summer prior to flowering or in the fall after newly emerged plants have reached the rosette stage of growth. Certain biotypes of musk and sortch thistles are less sensitive to CIMARRON® PLUS HERBICIDE and may not be controlled. For improved control apply CIMARRON® PLUS HERBICIDE in a tank mix with

dicamba and 2,4-D. Consult with your local ENVIRONMENTAL SCIENCE U.S., LLC representative, dealer or applicator for specific use rate and tank mix specifications for your area. Fall applications must be made before the soil freezes.

Pensacola bahiagrass control in established Bermudagrass pasture: Apply CIMARRON® PLUS HERBICIDE after greenup in the spring but before bahiagrass seedhead formation. Apply when moisture is sufficient to enhance grass growth. CIMARRON® PLUS HERBICIDE is very effective for removal of bahiagrass from bermudagrass pastures.

In highly infested pastures, the use of CIMARRON® PLUS HERBICIDE can clear the areas of useful forage until the bermudagrass has time to cover the area. Therefore, CIMARRON® PLUS HERBICIDE treatments should be spread out over a period of years. Do NOT apply to an entire farm or ranch in one year. Fertilization (particularly with nitrogen and potassium) and/or replanting may accelerate the process of reestablishment of bermudagrass. Under heavy bahiagrass pressure, grazing pressure, or adverse weather conditions (heat and drought), bahiagrass regrowth may occur.

weather conditions lited and ordering, ballegists regional may occul.

ClinARRON PLUS HERBICIDE must not be applied in liquid fertilizer solutions for Pensacola bahiagrass

control, as poor control and/or regrowth may occur.

COMARRON® PLUS HERBICIDE must not be used for the control of common or Argentine bahiagrass.

Plumeless Thistle: For control of plumeless thistle apply CIMARRON® PLUS HERBICIDE in the spring or early summer prior to flowering or in the fall after newly emerged plants have reached the rosette

stage of growth. Fall applications must be made before the soil freezes.

Rush skelenomeed: For best results, apply CIMARRON® PLUS HERBICIDE with dicamba and 2,4-D.

Sericea lespedeza: For best results, apply CIMARRON® PLUS HERBICIDE beginning at flower bud initiation through the full bloom stage of growth. DO NOT make applications if drought conditions exist at intended time of application.

Spotted Knapweed: For best results, apply CIMARRON® PLUS HERBICIDE with dicamba and 2,4-D. Snowberry (Common or Mountain): For control of snowberry, apply CIMARRON® PLUS HERBICIDE

at 1.25 ounces/acre (0.0375 lb ai/acre metsulfuron-methyl and 0.0117 lb ai/acre chlorsulfuron) after the plants are actively growing. Applications can be made throughout the growing season but before fall defoliation. Tank mixtures with 2.4-D ester improve control (refer to Tank Mixtures section of this label for additional information).

Sunflower (common, volunteer, or wild): Apply CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA after the majority of sunflowers have emerged, are 2" to 4" tall and are actively growing. Use spray volumes of at least 3 gal by air or 10 gal by ground.

Wild Buckwheat: For best results, apply CIMARRON® PLUS HERBICIDE plus 2,4-D or MCPA when plants For spot applications, mix 1.25 to 2.0 ounces of CIMARRON® PLUS HERBICIDE (0.0375 to 0.06 lb have no more than 3 true leaves (not counting the cotyledons). If plants are not actively growing, delay treatment until environmental conditions favor active weed growth.

Wild Garlic: For best results, apply CIMARRON® PLUS HERBICIDE in the early spring when wild garlic is less than 12" tall with 2" to 4" of new growth. Woolly Croton: For best results, apply CIMARRON® PLUS HERBICIDE in the late spring or early summer

from cotyledon through 2 true leaf stage. Yucca: Apply CIMARRON® PLUS HERBICIDE with 2,4-D ester in the spring through the fall prior to frost. A second application of CIMARRON® PLUS HERBICIDE at 0.375 to 0.625 ounces/acre (0.0113 to 0.0188 lb. ai/acre metsulfuron-methyl and 0.0035 to 0.0059 lb ai/acre chlorsulfuron) with 2.4-D ester is suggested within two years of the initial treatment to control vucca seedlings and regrowth from rootstocks. For best results, use a Crop Oil Concentrate (COC), Modified Seed Oil (MSO), or Modified Seed Oil

Organosilicone (MSO/OS) adjuvant type. The addition of ammonium nitrogen fertilizer may improve control. See Spray Adjuvants section for additional information. Aerial is the preferred application method. Variation in weather (moisture and temperature extremes), yucca physiological condition, soil type, and extent of vucca root system will determine treatment effectiveness.

SPOT APPLICATIONS IN RANGELAND, PASTURES, GRASS HAY FIELDS AND CRP CIMARRON® PLUS HERBICIDE may be used for suppression of weeds and brush on the WEEDS CONTROLLED OR SUPPRESSED list using spot applications or Individual Plant Treatments (IPT) in

rangeland, pastures, grass hay fields or acres enrolled in the Conservation Reserve Program (CRP) and/ or for undesirable vegetation in uncultivated areas (fence rows, farmyards, and rights-of-way) which are adjacent to, or pass through or transect, treated rangeland, pastures, grass hay fields or CRP. Use Rates for Spot Applications

metsulfuron-methyl and 0.0117 to 0.0188 lb chlorsulfuron) per 100 gallons of water, include a spray adjuvant (see SPRAY ADJUVANTS section). A dye may be added to the tank to help mark plants that have been sprayed. Thorough coverage of all foliage and stems is necessary to optimize results. Spray entire canopy to wet but not to the point of dripping. On tall, dense stands, it is often necessary to spray from all sides to obtain adequate coverage. DO NOT apply more than 2.0 ounces of CIMARRON® PLUS

HERBICIDE per acre (0.06 lb ai/acre metsulfuron-methyl and 0.0188 lb ai/acre chlorsulfuron) per year. Application Timing for Spot Applications

Make a foliar application of CIMARRON® PLUS HERBICIDE during the period from full leaf expansion in the spring until the development of fall coloration.

TANK MIXTURES in Rangeland, Pastures, Grass Hay Fields and CRP Applications

CIMARRON® PLUS HERBICIDE may be tank mixed with other suitable registered herbicides, insecticides,

and fungicides. Read and follow all manufacturer's label directions for the companion pesticide. If those directions conflict with this label, DO NOT tank mix the pesticide with CIMARRON® PLUS HERBICIDE. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Since formulations may be changed and new ones introduced, it is directed that users premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.). Avoid mixtures of several materials and very concentrated spray mixtures. For best results, use of spray equipment having continuous agitation.

With Insecticides and Fungicides CIMARRON® PLUS HERBICIDE may be tank mixed or used sequentially with insecticides and fungicides registered for use on pastures, grass hav fields, rangeland or CRP. However, under certain conditions (drought stress or cold weather), tank mixes or sequential applications of CIMARRON® PLUS HERBICIDE with organophosphate insecticides (e.g. parathion) may produce temporary grass vellowing or, in severe cases, grass injury. The potential for grass injury is greatest when wide fluctuations in day/night temperatures occur just prior to or soon after application. Test these mixtures in a small area before treating large areas. DO NOT use CIMARRON® PLUS HERBICIDE plus malathion, as grass injury will result.

Herbicide Tank Mixtures for Pastures or Rangeland: CIMARRON® PLUS HERBICIDE may be tank mixed with other suitable registered pasture and rangeland

herbicides to control weeds listed as WEEDS SUPPRESSED, weeds resistant to CIMARRON® PLUS HERBICIDE, or weeds not listed under WEEDS CONTROLLED Active ingredients of common tank mix partners for CIMARRON® PLUS HERBICIDE may contain, but are not limited to, 2.4-D. dicamba, picloram, triclopyr, and combinations of these actives. Refer to companion herbicide labels to confirm that the product is labeled for control of the weeds targeted and is registered

Herbicide Tank Mixtures for CRP:

for use in your state. Preplant

CIMARRON® PLUS HERBICIDE may be tank mixed with glyphosate as a pre-plant (prior to the planting of tend to be more compatible (See manufacturer's label). DO NOT add a spray adjuvant when using CRP grasses) treatment to control broadleaf and grassy weeds. When using a glyphosate tank mix, allow CIMARRON® PLUS HERBICIDE in tank mix with 2,4-D ester and liquid nitrogen fertilizer solutions greater

at least 7 days after application before planting grasses. Refer to glyphosate containing product labels and fact sheets for all use instructions, label rates, weed control claims, warnings, and precautions.

Postemergence

adding an adjuvant to these tank mixtures.

For best weed control performance in CRP, use CIMARRON® PLUS HERBICIDE in a tank mix with 2,4-D (ester formulations perform best) or dicamba. CIMARRON® PLUS HERBICIDE can be tank mixed with 2,4-D or dicamba for all labeled sensitive grasses and their respective stages of growth. A spray adjuvant may be added. However, the addition of spray adjuvant may increase the chance of grass injury. With Liquid Nitrogen Solution Fertilizer

Liquid nitrogen fertilizer solutions may be used as a carrier in place of water. Run a tank mix compatibility test before mixing CIMARRON® PLUS HERBICIDE in fertilizer solution. CIMARRON® PLUS HERBICIDÉ must first be slurried with clean water and then added to liquid nitrogen solutions (e.g., 28-0-0, 32-0-0). Ensure that the agitator is running while the CIMARRON® PLUS HERBICIDE is added. Use of this mixture may result in temporary grass yellowing or burn as commonly seen with liquid fertilizer applications.

If 2.4-D or MCPA is included with CIMARRON® PLUS HERBICIDE and fertilizer mixture, ester formulations

If using low rates of liquid nitrogen fertilizer (between 5 and 50% of the spray solution volume) in the spray solution, the addition of a non-ionic surfactant is necessary. Add surfactant at 0.25 pint per 100 gallon of spray solution (0.03%). DO NOT use a spray adjuvant other than non-ionic surfactant When using high rates of liquid nitrogen fertilizer (equal to or greater than 50% of the spray solution volume) in the spray solution, adding a spray adjuvant increases the risk of grass injury. Consult your agricultural dealer, consultant, fieldman, or ENVIRONMENTAL SCIENCE U.S., LLC representative before than 5% of the spray solution volume.

When making a combined application of liquid fertilizer and herbicides, thorough spray coverage of the weeds is still important. Flat fan nozzles or equivalent delivering a medium size droplet will provide best results. Cluster nozzles delivering a very course droplet may not provide satisfactory weed control. The use of liquid nitrogen fertilizer solutions greater than 5% of the spray solution volume with CIMARRON® PLUS HERBICIDE at rates greater than 0.25 ounces (0.0075 lb metsulfuron-methyl and 0.0023 lb chlorsulfuron) may cause grass injury.

DO NOT use low rates of liquid fertilizer as a substitute for a spray adjuvant.

DO NOT tank mix CIMARRON® PLUS HERBICIDE with liquid fertilizer solutions with a pH less than 3.0.

GRAZING/HAYING

There are no grazing or hay harvest restrictions for non-lactating or lactating livestock including cattle, horses, sheep, goats, and other animals when CIMARRON® PLUS HERBICIDE is applied as directed to range, pasture, grass hay fields, CRP, and/or undesirable vegetation in uncultivated areas (fence rows, farmyards, and rights-of-way) which are adjacent to, or pass through or transect, treated rangeland, pastures, grass hay fields or CRP, Torazing animals DO NOT have to be moved off the area before, during, or after applying CIMARRON® PLUS HERBICIDE.

Coveralls, shoes plus socks, and chemical resistant gloves made of any waterproof material must be worn if cutting within 4 hours of treatment.

CROP ROTATION

Before using CIMARRON® PLUS HERBICIDE, carefully consider your crop rotation plans and options. If rotational flexibility is desired, DO NOT treat all of your pasture acres at the same time.

ROTATION INTERVALS IN PASTURE, RANGELAND, GRASS HAY FIELDS OR CRP FOR OVERSEEDING. RENOVATION AND RECROP

Location	Crop or Grass Species	Maximum CIMARRON® PLUS HERBICIDE Rate (ounce/acre)*	Minimum Rotation Interval (months)
AL, AR, FL, GA, KY, LA, MS, NC, OK,	Alfalfa, red clover, white clover, sweet clover, bermudagrass, bluegrass, ryegrass, tall fescue	Up to 0.25	4
SC, TN, TX, VA, WV	Wheat (except durum)	Up to 0.375	1
YA, ***	Durum, barley, oat	Up to 0.375	10
ALL STATES	Red clover, white clover, and sweet clover	Up to 0.25	12
NOT INCLUDED	Bermudagrass, bluegrass, ryegrass	Up to 0.25	6
ABOVE	Tall Fescue	Up to 0.25	18
	Wheat (except durum)	Up to 0.25	1
	Durum, barley, oat	Up to 0.25	10

(continued)

ROTATION INTERVALS IN PASTURE, RANGELAND, GRASS HAY FIELDS

OR CRP FO	R OVERSEEDING, RENOVATION	AND RECROP	(continued)	OR CRP F
Location	Crop or Grass Species	Maximum CIMARRON® PLUS HERBICIDE Rate (ounce/acre)*	Minimum Rotation Interval (months)	Locat
ALL AREAS	Russian wildrye	Up to 0.625	1	AL, AR, FL, (
WITH SOIL pH OF 7.5 OR	Green needlegrass, switchgrass, sheep fescue	Up to 1.25	1	MS, NC, OK, VA, WV WIT
LESS	Meadow brome, smooth brome, alta fescue, red fescue, meadow foxtail, orchardgrass, Russian wildrye	Up to 1.25	2	* - 0.25 our methyl a - 0.375 ou
ALL AREAS WITH SOIL	Alkali sacoton, mountain brome, blue grama, thickspike wheatgrass	Up to 1.25	1	methyl a
pH OF 7.9 OR	Sideoats grama, switchgrass	Up to 0.625	2	methyl a
LESS	Western wheatgrass	Up to 1.25	2	- 1.25 our methyl a
	Sideoats grama, switchgrass, big bluestem	Up to 1.25	3	MINIMUM
	Field corn, Soybeans	Up to 0.375	12	Minimum rota
	STS® soybean	Up to 0.25	6	applied. CIM/

Up to 1.25

ROTATION INTERVALS IN PASTURE, RANGELAND, GRASS HAY FIELDS OR CRP FOR OVERSEEDING, RENOVATION AND RECROP (continued)

JICOM TONOTEN	CEEDING, KENTOVALIO	TAITE RECROI	oonanaca)			
Location	Crop or Grass Species	Maximum CIMARRON® PLUS HERBICIDE Rate (ounce/acre)*	Minimum Rotation Interval (months)			
AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX, VA, WV WITH SOIL pH OF 7.0 OR LESS	Field corn, Soybeans	Up to 0.625	12			
	STS® soybean	Up to 0.25	6			
		Up to 1.25	12			
 * - 0.25 ounces/acre of CIMARRON® PLUS HERBICIDE is equal to 0.0075 lb ai/acre metsulfuron- methyl and 0.0023 lb ai/acre chlorsulfuron. 						
- 0.375 ounces/acre of CIMARRON® PLUS HERRICIDE is equal to 0.0113 lb ai/acre metsulfuron-						

 - 0.375 ounces/acre of CIMARRON® PLUS HERBICIDE is equal to 0.0113 lb ai/acre metsulfuronmethyl and 0.0035 lb ai/acre chlorsulfuron. - 0.625 ounces/acre of CIMARRON® PLUS HERBICIDE is equal to 0.0188 lb ai/acre metsulfuron-

methyl and 0.0059 lb ai/acre chlorsulfuron. - 1.25 ounces/acre of CIMARRON® PLUS HERBICIDE is equal to 0.0375 lb ai/acre metsulfuronmethyl and 0.0117 lb ai/acre chlorsulfuron.

IINIMUM ROTATIONAL INTERVALS

12 (continued) 26 only soil pH remains relatively constant. Soil temperature, and to a greater extent, soil moisture, can vary significantly from year to year and form are to area. For this reason, monitor soil temperatures and soil moisture regularly when considering crop rotations.

SOIL DH LIMITATIONS

CIMARRON® PLUS HERBICIDE can have extended residual activity when applied on soils with pH higher than 7.9. Sufficient time must be allowed between application and planting of sensitive crops (all crops other than labeled perennial grasses; See Established Grasses Section). Under certain conditions, CIMARRON® PLUS HERBICIDE could remain active in the soil for 34 months or more, injuring subsequent crops.

CHECKING SOIL DH

Before using CIMARRON® PLUS HERBICIDE, determine the soil pH of the areas of intended use. To obtain a representative pH value for the test area, take several 0" to 4" samples from different areas of the field and analyze them separately. Consult local extension publications for additional information on specified soil sampling procedures.

BIOASSAY

A field bioassay must be completed before rotating to any crop or grass species/variety not listed in the Rotation Intervals Table, or if the soil pH is not in the specified range, or if the use rate applied is not repetified in the table. To conduct a field bioassay, grow test strips of the crop(s) or grass(se) you plan to grow in fields previously treated with CIMARRON® PLUS HERBICIDE. Crop or grass response to the bioassay will indicate whether or not to rotate to the crop(s) or grass(es) grown in the test strips. If a field bioassay is planned, check with your local Agricultural dealer or ENVIRONMENTAL SCIENCE U.S., LLC representative for information detailing the field bioassay procedure.

NON-CROP SITES

Application Information

CMARRON® PLUS HERBICIDE is registered for weed control on private, public and military lands as follows: Uncultivated nonagricultural areas (e.g. airports, highway, railroad and utility rights-of-way, sewage disposal areas); uncultivated agricultural areas non-crop producing (e.g. farmyards, fuel storage areas, fence rows, soil bank land, and barrier strips); industrial sites outdoor (e.g. lumberyards, pipeline and tank farms) including grazed areas on these sites. It may also be used for the control of certain noxious and troublesome weeds.

WEED CONTROL INFORMATION

CIMARRON® PLUS HERBICIDE may be applied post emergence to control or suppress weeds listed on, but not limited to, this label. For best results, treat weeds when they are small and actively growing. Unless otherwise directed, treat when broadleaf weeds are less than 4" tall or in diameter (natural size - not after mowing or grazing).

Consult the "Weeds Controlled" and "Brush Species Controlled" tables to determine the appropriate application rate. CIMARRON® PLUS HERBICIDE may be applied in tank mixture with other herbicides labeled for use on non-crop sites. Fully read the labels and follow all directions and restrictions on each label.

Applications may be made by ground. Use a sufficient volume of water to ensure thorough coverage of the target vegetation with the application equipment being used.

WEEDS CONTROLLED OR SUPPRESSED ON NON-CROPLAND SITES

Crown vetch

Chicory

WEEDS CONTROLLED OR	SUPPRESSED ON NON-CR	UPLAND SITES			
0.125 to 0.25 ounces/acr	e (0.0038 to 0.0075 lb ai/a	cre metsulfuron-methyl and	d 0.0012 to 0.0023 lb ai/acı	re chlorsulfuron)	
Annual sowthistle*‡	Common groundsel	False chamomile	Miners lettuce	Slimleaf lambsquarters	Volunteer sunflower*‡
Blue/purple mustard*	Common lambsquarters†	Field pennycress (fanweed)	Pale smartweed	Smallseed falseflax*†	Waterpod
Bur buttercup (testiculate)	Common purslane	Flixweed*	Plains coreopsis	Smooth pigweed†	Wild buckwheat*‡
Buttercup	Common sunflower*‡	Green smartweed	Plantain (except buckhorn)	Snow speedwell	Wild garlic*
Canada thistle*‡	Conical catchfly	Henbit	Prickly lettuce*†	Tansymustard*	Wild mustard
Carolina geranium	Corn gromwell*‡	Jim Hill mustard	Prostrate knotweed*‡	Texas filaree	Wild sunflower*‡
Coast fiddleneck (tarweed)	Cowcockle	Kochia*†	Redroot pigweed†	Treacle mustard†* (Bushy Wallflower)	
Common broomweed	Cutleaf evening primrose*‡	Ladysthumb	Russian thistle*†	Tumble mustard	
Common chickweed	Dandelion	Mayweed chamomile	Shepherd's purse	Tumble pigweed	
0.25 to 0.375 ounces/acr	e (all weeds above plus the	following) (0.0075 to 0.01	13 lb ai/acre metsulfuron-m	nethyl and 0.0023 to 0.0035 lb ai/ac	re chlorsulfuron)
Annual marshelder	Buckbrush‡	Common yarrow	Marestail/Horseweed†	Scotch thistle*	Woolly croton*
Bitter sneezeweed	Burclover	Curly dock	Musk thistle*	Western snowberry‡	
Blackeyed-Susan	Common broomweed	Horsemint (beebalm)	Purple scabious	Wild carrot	
0.375 to 0.625 ounces/ac	re (all weeds above plus th	e following) (0.0113 to 0.0	188 lb ai/acre metsulfuron-ı	methyl and 0.0035 to 0.0059 lb ai/a	cre chlorsulfuron)
Annual sowthistle	Clover	Dogfennel	Pennsylvania smartweed	Seaside arrowgrass	Wood sorrel
Aster	Cockleburt	Goldenrod	Pensacola bahiagrass*	Silky crazyweed (locoweed)	Yankeweed
Bittercress	Corn cockle	Maximillion sunflower	Redstem filaree	Sweet clover	

Wild lettuce (continued)

Multiflora rose*‡

WEEDS CONTROLLED OR SUPPRESSED ON NON-CROPLAND SITES (continued)

WEEDO CONTINOEEED C	ON OOF I RECOLD ON HON	OILOI EAILE	OII LO (COMMING	.u)			
0.625 to 1.25 ounces/a	acre (all weeds above plus	the followir	g) (0.0188 to 0.	0375 lb a	i/acre metsulfuron-meth	yl and 0.0059 to 0.0117 lb	ai/acre chlorsulfuron)
Black henbane	Common crupina	Fringed sag	ebrush*	Honeysuckle		Rosering gaillardia	Teasel
Blackberry	Common mullein	Garlic must	ard	Multiflora rose & other wild roses*		Sericea lespedeza*	Wild caraway
Broom snakeweed*	Dewberry	Gorse		Oxeye daisy		Spotted knapweed*	Yucca*
Buckhorn plantain	Dyer's woad	Halogeton	eton Plumeless thistle*		Tansy ragwort		
1.25 to 2.0 ounces/acr	re (all weeds above plus the	following)	(0.0375 to 0.06	0 lb ai/ac	re metsulfuron-methyl a	nd 0.0117 to 0.0188 lb ai/	acre chlorsulfuron)
Ash‡	Common snowberry*	Hawthorne	‡	Purple loosestrife		Scotch thistle	Whitetop (hoary
Aspen‡	Common tansy	Houndston	ngue Purple scabious		St. Johnswort	cress)	
Black locust‡	Elm‡	Lupine	Lupine Ru		eletonweed*‡	Sulphur cinquefoil	Wild Iris
Bull thistle	Field bindweed‡	Mountain s	nowberry*	Salmonberry		Thimbleberry	Willow
Camelthorne‡	Greasewood	Perennial p	epperweed	Salsify		Tree of heaven	Yellow poplar
Cherry‡	Gumweed	Poison hen	nlock	Scouringrush		Western salsify	
2.5 ounces/acre (all w	eeds above plus the followi	ing) (0.075	lb ai/acre metsu	lfuron-m	ethyl; 0.0234 lb ai/acre c	hlorsulfuron)	
Dalmation toadflax‡	Old world climbing fern	(Lygodium) Russian knapweed‡ Wild parsnip					
Duncecap larkspur	Onionweed	Tall larksur			Yellow toadflax‡		
3.75 to 5 ounces/acre	(all weeds above plus the f	ollowing) ((.1125 to 0.150 l	lb ai/acre	metsulfuron-methyl and	0.0352 to 0.0469 lb ai/ac	cre chlorsulfuron)
Kudzu							

^{*} See the Specific Weed Problems on Non-cropland sites section.

(continued)

(continued)

- ± Weed suppression is a reduction in weed competition (reduced population and/or vigor) as visually compared to an untreated area. The degree of suppression varies with the rate used, the size of the weeds, and the environmental conditions following treatment.
- † Naturally occurring resistant biotypes of these weeds are known to occur. See WEED RESISTANCE section of the label for more information

Specific Weed Problems on Non-cropland Sites Section Note: For best results, thorough spray coverage of all weed species listed below is very important. Blue/Purple Mustard, Flixweed, small seeded falseflax, tansymustard, and treacle mustard: For best results, apply CIMARRON® PLUS HERBICIDE in tank mixtures with 2,4-D or MCPA postemergence to mustards, but before bloom

Broom Snakeweed: For best results, apply CIMARRON® PLUS HERBICIDE during and after full flowering stage in the fall when growth conditions are good. Applications of CIMARRON® PLUS HERBICIDE in the spring are best timed at peak plant growth when growing conditions are good and may provide suppression only. Applications made during drought conditions may not give satisfactory

Canada Thistle and annual sowthistle: For suppression with broadcast applications, apply either CIMARRON® PLUS HERBICIDE or tank mix CIMARRON® PLUS HERBICIDE with 2.4-D or MCPA in the spring after the majority of thistles have emerged and are small (rosette stage to 6" elongating stems) and actively growing. The application will inhibit the ability of emerged thistles to compete with grass. For suppression with spot applications, apply as a foliar spray once plant is fully leafed.

Corn Gromwell, Cutleaf Evening Primrose and Prostrate Knotweed: Apply CIMARRON® PLUS HERBICIDE when weeds are actively growing, are no larger than 2" tall, and when crop canopy will allow thorough coverage. Tank mixing 2.4-D or MCPA with CIMARRON® PLUS HERBICIDE can improve results.

Fringed Sagebrush: For control, apply CIMARRON® PLUS HERBICIDE and 2,4-D ester. Applications can be made in the spring or early summer after 6 inches of new growth has occurred and plants are actively growing.

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds are known to occur. For best results, use CIMARRON® PLUS HERBICIDE in a tank mix with dicamba and 2.4-D. Apply in the spring when kochia, Russian thistle, and prickly lettuce are less than 2" tall or 2" across

and are actively growing Multiflora Rose: For control with broadcast applications, apply CIMARRON® PLUS HERBICIDE as a broadcast application when multiflora rose is less than 3' tall. Apply in the spring, soon after multiflora rose is fully leafed

Musk Thistle, Scotch Thistle: Apply CIMARRON® PLUS HERBICIDE in the spring or early summer prior to flowering or in the fall after newly emerged plants have reached the rosette stage of growth. Certain biotypes of musk and scotch thistles are less sensitive to CIMARRON® PLUS HERBICIDE and may not be controlled. For improved control apply CIMARRON® PLUS HERBICIDE in a tank mix with dicamba and 2.4-D. Consult with your local ENVIRONMENTAL SCIENCE U.S., LLC representative, dealer or applicator for specific use rate and tank mix specifications for your area. Fall applications must be made before the soil freezes.

Pensacola bahiagrass control in established Bermudagrass pasture: Apply CIMARRON® PLUS HERBICIDE after greenup in the spring but before bahiagrass seedhead formation. Apply when moisture is sufficient to enhance grass growth.

CIMARRON® PLUS HERBICIDE is very effective for removal of bahiagrass from bermudagrass pastures. In highly infested pastures, the use of CIMARRON® PLUS HERBICIDE can clear the areas of useful forage until the bermudagrass has time to cover the area. Therefore, CIMARRON® PLUS HERBICIDE treatments must be spread out over a period of years. DO NOT apply to an entire farm or ranch in one year. Fertilization (particularly with nitrogen and potassium) and/or replanting may accelerate the process of reestablishment of bermudagrass. Under heavy bahiagrass pressure, grazing pressure, or adverse weather conditions (heat and drought), bahiagrass regrowth may occur. CIMARRON® PLUS HERBICIDE must not be applied in liquid fertilizer solutions for Pensacola bahiagrass control, as poor control and/or regrowth may occur.

CIMARRON® PLUS HERBICIDE must not be used for the control of common or Argentine bahiagrass. Plumeless Thistle: For control of plumeless thistle apply CIMARRON® PLUS HERBICIDE in the spring or early summer prior to flowering or in the fall after newly emerged plants have reached the rosette

stage of growth. Fall applications must be made before the soil freezes. Rush skeletonweed: For best results, apply CIMARRON® PLUS HERBICIDE with dicamba and 2,4-D. Sericea lespedeza: For best results, apply CIMARRON® PLUS HERBICIDE beginning at flower bud initiation through the full bloom stage of growth. DO NOT make applications if drought conditions exist at intended time of application.

Spotted Knapweed: For best results, apply CIMARRON® PLUS HERBICIDE with dicamba and 2,4-D. Snowberry (Common or Mountain): For control of snowberry, apply CIMARRON® PLUS HERBICIDE at 1.25 ounces/acre (0.0375 lb ai/acre metsulfuron-methyl and 0.0117 lb ai/acre chlorsulfuron) after the plants are actively growing. Applications can be made throughout the growing season but before fall defoliation. Tank mixtures with 2,4-D ester improve control (refer to Tank Mix Combinations section

of this label for additional information). Sunflower (common, volunteer, and wild): Apply CIMARRON® PLUS HERBICIDE plus 2.4-D or MCPA after the majority of sunflowers have emerged, are 2" to 4" tall and are actively growing. Use spray volumes of at least 3 gal by air or 10 gal by ground.

Wild Buckwheat: For best results, apply CIMARRON® PLUS HERBICIDE plus 2,4-D or MCPA when plants have no more than 3 true leaves (not counting the cotyledons). If plants are not actively growing, delay treatment until environmental conditions favor active weed growth.

Wild Garlic: For best results, apply CIMARRON® PLUS HERBICIDE in the early spring when wild garlic

is less than 12" tall with 2" to 4" of new growth.

Woolly Croton: For best results, apply CIMARRON® PLUS HERBICIDE in the late spring or early summer from cotyledon through 2 true leaf stage.

For best results, use a Crop Oil Concentrate (COC), Modified Seed Oil (MSO), or Modified Seed Oil/

Organosilicone (MSO/OS) adjuvant type. The addition of ammonium nitrogen fertilizer may improve

Yucca: Apply CIMARRON® PLUS HERBICIDE with 2,4-D in the spring through the fall prior to frost. A second application of CIMARRON® PLUS HERBICIDE at 0.375 to 0.625 ounces/acre (0.0113 lb ai/ acre to 0.0188 lb ai/acre metsulfuron-methyl and 0.0035 lb ai/acre to 0.0059 lb ai/acre chlorsulfuron) with 2.4-D ester is suggested within two years of the initial treatment to control vucca seedlings and regrowth from rootstocks.

control. See Spray Adjuvants section for additional information. Aerial is the preferred application Variation in weather (moisture and temperature extremes), yucca physiological condition, soil type, and

extent of vucca root system will determine treatment effectiveness.

BRUSH CONTROL ON NON-CROPLAND SITES

CIMARRON® PLUS HERBICIDE is registered for the control of undesirable brush growing in non-crop areas including grazed areas on these sites. Applications may be made by air, high volume ground application, low volume ground application and ultra-low volume ground application. Except as noted for multiflora rose, CIMARRON® PLUS HERBICIDE must be applied as a spray to the foliage. The application volume required will vary with the height and density of the brush and the application equipment used. Generally, high volume ground application will require 100 to 400 gallons of water per acre; low volume ground application will require 20 to 50 gallons of water per acre; and ultra-low volume

ground application will require 10 to 20 gallons of water per acre. Regardless of the application volume and equipment used, thorough coverage of the foliage, particularly the terminal growing points, is necessary to optimize results.

method.

BRUSH SPECIES CONTROLLED ON NON-CROPLAND SITES

CIMARRON® PLUS HERBICIDE RATE*						
Species	High Volume Rate (Ounces per 100 Gallons)*	Broadcast Rate (Ounces per Acre)*	Species	High Volume Rate (Ounces per 100 Gallons)*	Broadcast Rate (Ounces per Acre)*	
Ash	1.25 - 2.5	1.25 - 3.75	Oaks	1.25 - 2.5	1.25 - 3.75	
Aspen	1.25 - 2.5	1.25 - 3.75	Ocean spray (Holodiscus)	1.25 - 2.5	2.5 - 3.75	
Black locust	1.25 - 2.5	1.25 - 3.75	Osage orange	1.25 - 2.5	2.5 - 3.75	
Blackberry	1.25 - 2.5	1.25 - 3.75	Red maple	1.25 - 2.5	2.5 - 3.75	
Camelthorn	1.25 - 2.5	1.25 - 3.75	Salmonberry	0.6 - 1.25	1.25 - 3.75	
Cherry	1.25 - 2.5	1.25 - 3.75	Snowberry	0.6 - 1.25	1.25 - 3.75	
Cottonwood	1.25 - 2.5	2.5 - 3.75	Spruce (black and white)	3.75	2.5 - 3.75	
Eastern red cedar	1.25 - 2.5	2.5 - 3.75	Thimbleberry	0.6 - 1.25	1.25 - 3.75	
Elder	1.25 - 2.5	2.5 - 3.75	Tree of heaven (Ailanthus)	1.25 - 2.5	1.25 - 2.5	
Elm	1.25 - 2.5	1.25 - 3.75	Wild roses	0.6 - 1.25	1.25 - 3.75	
Firs	3.75	1.25 - 2.5	Willow	0.6 - 1.25	1.25 - 3.75	
Hawthorn	1.25 - 2.5	1.25 - 3.75	Yellow poplar	0.6 - 1.25	1.25 - 3.75	
Honeysuckle	1.25 - 2.5	0.6 - 1.25	* - 0.6 ounces of CIMARRO	N® PLUS HERBICIDE is equal to 0.	018 lb metsulfuron-methyl and 0.0056 lb chlorsulfuron.	
Mulberry	1.25 - 2.5	2.5 - 3.75	- 1.25 ounces of CIMARF	ON® PLUS HERBICIDE is equal to (0.0375 lb metsulfuron-methyl and 0.0117 lb chlorsulfuron.	
Multiflora rose	1.25 - 2.5	1.25 - 3.75	- 2.5 ounces of CIMARRON® PLUS HERBICIDE is equal to 0.075 lb metsulfuron-methyl and 0.023 lb chlorsulfuron.			
Muscadine (wild grape)	1.25 - 2.5	2.5 - 3.75	- 3.75 ounces of CIMARF	ON® PLUS HERBICIDE is equal to (0.113 lb metsulfuron-methyl and 0.035 lb chlorsulfuron.	

For low volume and ultra-low volume ground applications, mix 5 to 10 ounces of CIMARRON® PLUS HERBICIDE (0.15 to 0.30 lb metsulfuron-methy and 0.047 to 0.094 lb chlorsulfuron) per 100 gallons of spray solution.

Application Timing

Make a foliar application of the specified rate of CIMARRON® PLUS HERBICIDE during the period from full leaf expansion in the spring until the development of full fall coloration on deciduous species to be controlled. Coniferous species may be treated at anytime during the growing season.

Spot Treatment

CIMARRON® PLUS HERBICIDE may be used for the control of many species of weeds including noxious/ invasive weeds in certain established grasses growing on non-crop areas. Refer to the "Weeds Controlled" section for a listing of susceptible weed species and the application rate per acre per the target weed. Or, mix one gram of CIMARRON® PLUS HERBICIDE per one gallon of water along with a surfactant. Spray to the point of wetting the entire surface of the target weeds, approximately 40 gallons of solution

per acre.

Tank Mix Combinations CIMARRON® PLUS HERBICIDE may be tank mixed with any product labeled for non-crop brush control at the application rates specified on the companion product's label for the pests specified on the product's companion label. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Low Rate Applications

Imazapyr

Combine CIMARRON® PLUS HERBICIDE with imazapyr herbicide and apply as a broadcast spray. For

aerial applications use a minimum of 15 gallons per acre spray volume. In addition to species listed above controlled by CIMARRON® PLUS HERBICIDE, this combination controls black gum, hophornbeam. sassafras, sweetgum, Vaccinium species, dogwood, myrtle dahoon, hickories, and persimmon. Picloram + Imazapyr

Combine CIMARRON® PLUS HERBICIDE with imazapyr and picloram. Apply as a high volume spray. This tank mix controls cherry, elms, box elder, maples, hackberry, redbud, ash, oaks (including shingle oak), black locust, and sassafras.

* Picloram is a restricted use pesticide.

Spotaun Basal Soil Treatment

For control of multiflora rose, prepare a spray suspension of CIMARRON® PLUS HERBICIDE by mixing 1.25 ounce (0.0375 lb metsulfuron-methyl and 0.0117 lb chlorsulfuron) per gallon of water. Mix vigorously until the CIMARRON® PLUS HERBICIDE is dispersed and agitate periodically while applying the spray suspension. Apply the spray preparation with an exact delivery handoun applicator. Apply at the rate of 4 milliliters for each 2 feet of rose canopy diameter. Direct the treatment to the soil within 2 feet of the stem union. When treating large plants and more than one delivery is required, make applications on opposite sides of the plant. For best results, make applications from early spring to summer.

SPRAY ADJUVANTS Unless otherwise specified, applications of CIMARRON® PLUS HERBICIDE must include either an oil concentrate or a nonionic surfactant. If another herbicide is tank mixed with CIMARRON® PLUS HERBICIDE, select adjuvants authorized for use with both products. Antifoaming agents may be used if needed. All adjuvants used must contain only EPA-exempt ingredients.

Crop Oil Concentrate (COC) or Modified Seed Oil (MSO)

Apply at 1% v/v (1 gal per 100 gal spray solution) or 2% under arid conditions.

- Oil adjuvants must contain at least 80% high quality, petroleum (mineral) or modified vegetable seed oil with at least 15% surfactant emulsifiers.

Nonionic Surfactant (NIS)

- Apply at 0.25% v/v (1 gt per 100 gal spray solution) or 0.5% under arid conditions. Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.
- On fescue pastures use only NIS at a more limited rate. See Fescue Precautions. Ammonium Nitrogen Fertilizer

An ammonium nitrogen fertilizer can be added to NIS, COC or MSO and may enhance weed control. Use 2 quarts/acre of a high-quality urea ammonium nitrate (UAN), e.g. 28%N or 32%N, or 2 pounds/ before using.

- under arid conditions.
- DO NOT use low rates of fertilizer as a substitute for NIS. COC or MSO. See "Tank Mixtures with Liquid Solution Fertilizer" for instructions on using fertilizer as a carrier in

place of water.

Special Adjuvant Types

 Combination adjuvant products may be used at doses that provide the required amount of NIS. COC. to below 3.0.

MSO and/or ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions. APPLICATION METHOD

APPLICATION INFORMATION

PRODUCT MEASUREMENT

CIMARRON® PLUS HERBICIDE is measured using the CIMARRON® PLUS HERBICIDE volumetric measuring cylinder. The degree of accuracy of this cylinder varies by +/- 7.5%. For more precise measurement, use scales calibrated in ounces.

MIXING INSTRUCTIONS

- 1. Fill the tank a guarter to one third full of water (If using liquid nitrogen fertilizer solution in place of water, see Tank Mixtures sections for additional details).
- 2. While agitating, add the required amount of CIMARRON® PLUS HERBICIDE.

- 3. Continue agitation until the CIMARRON® PLUS HERBICIDE is fully dispersed, at least 5 minutes.
- 4. Once the CIMARRON® PLUS HERBICIDE is fully dispersed, maintain agitation and continue filling tank with water. Mix CIMARRON® PLUS HERBICIDE thoroughly with water before adding any other material
- 5. As the tank is filling, add tank mix partners (if desired) then add the necessary volume of spray adjuvants. Always add spray adjuvants last. 6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate
- acre of a spray grade ammonium sulfate (AMS). Use 4 quarts/acre UAN or 4 pounds/acre AMS 7. Apply CIMARRON® PLUS HERBICIDE spray mixture within 24 hours of mixing to avoid product degradation. 8. If CIMARRON® PLUS HERBICIDE and a tank mix partner are to be applied in multiple loads, pre-slurry
 - the CIMARRON® PLUS HERBICIDE in clean water prior to adding to the tank. This will prevent the tank mix partner or adjuvant from interfering with the dissolution of the CIMARRON® PLUS HERBICIDE. DO NOT use CIMARRON® PLUS HERBICIDE with spray additives that reduce the pH of the spray solution

Ground Broadcast Application

To obtain optimum spray distribution and thorough coverage, use flat-fan or low-volume flood nozzles.

For flat-fan nozzles, use at least 10 GPA for broadcast applications. For flood nozzles on 30" spacings, use at least 10 gallons per acre (GPA), flood nozzles no larger than TK10 (or equivalent), and a pressure of at least 30 pounds per square inch (psi). For 40" nozzle spacings,

use at least 13 GPA; for 60" spacings, use at least 20 GPA. It is essential to overlap the nozzles 100% for all spacings. With "Raindrop® RA" nozzles, use at least 30 GPA and ensure that nozzle spray patterns overlap 100%. Use 50-mesh screens or larger.

Ground Spot Application

Spot applications may be made using equipment including back pack, ATV, or hand sprayers. Thorough coverage of foliage and stems is necessary to optimize results. Use an adjustable conejet nozzle with an orifice size of X6 to X12 or equivalent. The application volume required will vary with the height and density of the weeds or brush and the application equipment used.

Aerial Application

Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage. Use a minimum of 3 GPA

When applying CIMARRON® PLUS HERBICIDE by air in areas adjacent to sensitive crops, use solid stream nozzles oriented straight back. Adjust the swath to avoid spray drift damage to sensitive crops downwind and/or use ground equipment to treat the border edge of fields. See the MANDATORY SPRAY DRIFT section of this label.

Chemigation

DO NOT apply through any type of irrigation system.

SPRAY EQUIPMENT

For specific application equipment, refer to the manufacturer's specifications for additional information on GPA, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc. Be sure to properly calibrate air or ground equipment before application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when the crop canopy is dense. Avoid swath overlapping. and shut off spray booms while starting, turning, slowing, or stopping to avoid crop injury.

DO NOT make applications using equipment and/or spray volumes or under weather conditions that might cause spray to drift onto nontarget sites. For additional information on spray drift, refer to the SPRAY DRIFT MANAGEMENT section of the label.

Continuous agitation is required to keep CIMARRON® PLUS HERBICIDE in suspension.

Before Spraving CIMARRON® PLUS HERBICIDE

Spray equipment must be clean before CIMARRON® PLUS HERBICIDE is sprayed. Follow the cleanup procedures specified on the labels of previously applied products. If no directions are provided, follow the six steps outlined below.

At the End of the Day When multiple loads of CIMARRON® PLUS HERBICIDE are applied, it is directed that at the end of each day of spraying, the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits that can accumulate in the application equipment.

After Spraying CIMARRON® PLUS HERBICIDE and Before Spraying Crops Other Than Pasture. Rangeland, or CRP To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of CIMARRON® PLUS HERBICIDE as follows: 1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.

- 2. Fill the tank with clean water and 1 gal of household ammonia* (contains 3% active) for every 100 gal of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 min. Flush the hoses, boom, and nozzles again with the cleaning solution, and then drain the tank.
- 3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
- 4. Repeat step 2.
- Rinse the tank, boom, and hoses with clean water.

6. If only Ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) listed on this label. DO NOT exceed the maximum-labeled use rate. If other cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

*Equivalent amounts of an alternate-strength ammonia solution or a ENVIRONMENTAL SCIENCE U.S., LLC-approved cleaner can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your agricultural dealer, applicator, or ENVIRONMENTAL SCIENCE U.S., LLC representative for a listing of approved cleaners.

Notes:

- Attention: DO NOT use chlorine bleach with ammonia, as dangerous gases will form. DO NOT clean equipment in an enclosed area.
- Steam-clean aerial spray tanks prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
- When CIMARRON® PLUS HERBICIDE is tank mixed with other pesticides, examine all required cleanout procedures and follow the most rigorous procedure.
 In addition to this cleanout procedure, and allowed in recleanout guidelines on subsequently applied.
- In addition to this cleanout procedure, follow all precleanout guidelines on subsequently applied products as per the individual labels.
- 5. Where routine spraying practices include shared equipment frequently being switched between applications of CIMARRON® PLUS HERBICIDE and applications of other pesticides to CIMARRON® PLUS HERBICIDE sensitive crops during the same spray season, dedicate a sprayer to CIMARRON® PLUS HERBICIDE to further reduce the chance of crop injury.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in original container only. Store in a cool, dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

Nonrefillable Rigid Plastic and Metal Containers (Cāpacity Equal to or Less Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or procedures approved by state and local authorities.

Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons): Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one fourth full with water. Replace and tighten closures.

(continued)

STORAGE AND DISPOSAL (continued)

Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over not its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down): Nonrefillable container. Do not reuse or refill this container. Clean container romally after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozze into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or perconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by uncertained to the procedures approved by state and local authorities.

All Refillable Containers: Refillable container. Refilling Container: Refill this container with

CIMARRON® PLUS HERBICIDE containing metsulfuron-methyl and chlorsulfuron only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, Do not use container, contact ENVIRONMENTAL SCIENCE U.S. LLC at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found. Do not reuse or transport container, contact ENVIRONMENTAL SCIENCE U.S., LLC at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged of leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact ENVIRONMENTAL SCIENCE U.S., LLC at 1-800-424-9300, day or night.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

by using this product, user of buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. In effectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Environmental Science U.S., LLC. Those factors include, but

Interfectiveness, plant injury, outer ip upper ty darriage, as well as outer influenced consequences in a present decades or actions beyond the control of t WHATSOEVER FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ENVIRONMENTAL SCIENCE U.S., LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

For product information call: 1-800-331-2867

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STS® is a registered trademark of E. I. duPont de Nemours and Company. "Raindrop RA" is a registered trademark of GP Companies, Inc. Clearfield® is a registered trademark of BASF.





ry-riowable Granule	
Active Ingredients	By Weight
Metsulfuron Methyl	
Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2yl)	
amino]carbonyl]amino]sulfonyl]benzoate	48%
Chlorsulfuron	
2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)	
aminocarbonyl]benzenesulfonamide	15%
Other Ingredients	37%
	1000/

D00000916 85780220D 221216AV2 Nonrefillable Container Net Weight: 2 Ounces

EPA Reg. No. 101563-183

See Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use

EPA Est. No.

METSULFURON-METHYL & CHLORSULFURON GROUP 2 HERBICIDE

KEEP OUT OF REACH OF CHILDREN CAUTION

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

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information

PRODUCED FOR



Environmental Science U.S., LLC 5000 CentreGreen Way, Suite 400 Cary, NC 27513

