HALOSULFURON-METHYL	GROUP	2	HERBICIDE
DICAMBA	GROUP	4	HERBICIDE

YUKON®
HERBICIDE

WATER DISPERSABLE GRANULE

YUKON Herbicide is a selective herbicide for the control of listed annual broadleaf weeds and nutsedge in labeled crops.

ACTIVE INGREDIENT:	**% BY WT.**
Halosulfuron-methyl, methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl) -1-methylpyrazole-4-carboxylate)	12.5%
Sodium salt of dicamba, sodium 3,6-dichloro-o-anisate	55.0%
OTHER INGREDIENTS:	32.5%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

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

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	• Call 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 the poison control center or doctor. • Do not give anything to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling poison control center, doctor or going for treatment. For emergency information concerning this product, call toll free 1-888-478-0798.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof materials.
All mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves (except for applicators using ground boom equipment, pilots, and flaggers).

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 CONTROLS STATEMENTS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Wash the outside of gloves before removing. Then wash PPE thoroughly and put on clean clothing.

NET CONTENTS

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Gowan
The Go To Company

Distributed by:
Gowan Company, LLC
P.O. Box 5569
Yuma, AZ 85366-5569

ENVIRONMENTAL HAZARD SECTION OF PRECAUTIONARY STATEMENTS

GROUNDWATER ADVISORY

Halosulfuron-methyl is 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 groundwater. This product is classified as having high potential for reaching surface water via runoff for several months or more 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 halosulfuron-methyl from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

WINDBLOWN SOIL PARTICLES

YUKON 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. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying YUKON if prevailing local conditions may be expected to result in off-site movement.

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.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming in contact with water. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 WPS.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

PRODUCT INFORMATION

YUKON Herbicide is a Water Dispersible Granule (WDG) formulation that selectively controls broadleaf weeds and nutsedge in labeled crops. YUKON Herbicide is effective on postemergent weed applications. YUKON Herbicide can be absorbed through roots, shoots and foliage and is translocated within the plant. The level of weed control following YUKON Herbicide application is dependent upon application rate, weed species, size at application time, and growing conditions. Heavy infestations should be treated early before the weeds become too competitive with the crop. Where allowed, sequential applications may be required to control later weed flushes. Soon after YUKON Herbicide is applied, growth of susceptible weeds is inhibited, and susceptible weeds are no longer competitive with the crop. Following growth inhibition, the leaves and growing points begin to discolor. Complete control typically occurs within 7 - 14 days depending on the weed size, species and growing conditions.

WEED RESISTANCE STATEMENT

YUKON Herbicide contains both a (Group 2) Halosulfuron-methyl and a (Group 4) Dicamba herbicide. Any weed population may contain or develop plants naturally resistant to Group 2 and/or Group 4 herbicides. Weed species with acquired resistance to Group 2 and/or Group 4 herbicides may eventually dominate the weed population if Group 2 and/or Group 4 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by YUKON Herbicide or other Group 2 and/or Group 4 herbicides.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance consider:

- Avoiding the consecutive use of YUKON Herbicide or other target site of action Group 2 and/or Group 4 herbicides that have a similar target site of action, on the same weed species.
- Using tank mixtures or premixes with herbicides from different target site of action groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.

- Basing herbicide use on a comprehensive IPM program.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.
- Monitoring treated weed populations for loss of field efficacy:
  - 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.

For further information or to report suspected resistance, you may contact Gowan Company at 1-800-883-1844..

APPLICATION EQUIPMENT AND INSTRUCTIONS

Applications may be made by ground or aerial equipment to healthy, actively growing weeds. For best results, avoid applications when weeds are under stress due to weather, disease, insect damage, or combinations of these factors. YUKON Herbicide is rainfast after 4 hours; rainfall or irrigation occurring within 4 hours after application may reduce effectiveness.

Thoroughly clean application equipment prior to mixing YUKON Herbicide spray solutions, after YUKON Herbicide use, and prior to spraying a crop other than those listed on the label. Refer to the "SPRAYER TANK CLEANOUT" section of the label for more detailed information.

Ground Applications:

Apply YUKON Herbicide uniformly with properly calibrated ground equipment in 10 or more gal of water per acre. Other water based spray carriers may be used for directed applications, avoiding contact with crop foliage. Select spray volumes that ensure thorough and uniform weed coverage.

Aerial Applications:

Apply YUKON Herbicide uniformly with properly calibrated equipment in 5 - 15 gal of water per acre.

SPRAY DRIFT

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- 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.

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 S572.1).
- 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 1/2 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.

SPRAY DRIFT ADVISORIES:

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 greater if applications are made improperly or under unfavorable environmental conditions.

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.
WIND - 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.

Sensitive areas:
Pesticides should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

MIXING INSTRUCTIONS

Fill the spray tank with water to about three-fourths of the desired volume and begin agitation. Add the labeled amount of YUKON Herbicide. Add individual formulations to the spray tank in the following sequence:
1. Water soluble bags
2. Dry flowables
3. Emulsifiable concentrates
4. Drift control additive
5. Water soluble liquids
6. Adjuvants (NIS, COC, MSO)

Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Spray solutions should be applied within 24 hours after mixing.

ADJUVANTS

Nonionic Surfactant (NIS) is required in the YUKON Herbicide spray solution. Use an NIS which is approved by EPA for use on food crops and which contains at least 80% active ingredient. Use NIS at 0.25 - 0.5% v/v concentration (1 - 2 qts per 100 gal of spray solution).

Crop oil concentrate (COC) can be used with YUKON Herbicide instead of NIS. Do not use both NIS and COC in the spray mixture. Add COC to the spray mixture at 1% v/v concentration (1 gal per 100 gal of spray solution). Use only an EPA approved, high quality petroleum or vegetable-based COC which contains at least 14% emulsifiers. Refer to the specific crop use direction and restrictions before adding COC adjuvants to the spray mixture.

Methylated Seed Oils (MSO) and MSO based adjuvants can be used with YUKON Herbicide instead of NIS. Do not use both NIS and MSO in the spray mixture. Add MSO to the spray mixture at 1% v/v concentration (1 gal per 100 gal of spray solution). Use only an EPA approved high quality MSO. Refer to the specific crop use direction and restrictions before adding MSO or MSO based adjuvants to the spray mixture.

Nitrogen fertilizer may be added to the spray solution for postemergent applications to improve the control of certain species. Apply a high quality, granular spray grade ammonium sulfate (AMS) at a rate of 2 - 4 lb per acre. Use of liquid AMS solution is allowed as long as the use rate selected equates to the amount of actual nitrogen applied in 2 - 4 lb of granular AMS. Another option would be to use liquid nitrogen fertilizer solution (e.g. 28-0-0) at a rate of 2 - 4 qt per acre. Do not use liquid nitrogen fertilizer solutions or suspensions as the total carrier for postemergence applications or excessive crop injury may occur.

TANK MIXES

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.

Unless stated in the "Application Instructions" section or allowed by supplemental labeling, tank mix combinations have not been evaluated and are the user's responsibility. Refer to the companion product label for use instructions, additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions. It is recommended that tank mixtures should be evaluated for miscibility and crop safety on a small test area prior to use. Tank mixtures should not be applied when the plants are under stress due to drought, water saturated soils, low fertility (especially low nitrogen levels) or other poor growing conditions.

SPRAYER TANK CLEANOUT

To avoid injury to desirable crops, clean all mixing and spray equipment before and immediately following applications of YUKON Herbicide as follows:
1. Drain tank; thoroughly rinse spray tank, boom, and hoses with clean water. Remove the nozzles and screens and clean separately in a bucket containing agent and water. Loosen and physically remove any visible deposits.
2. Fill the tank with clean water and 1 gal of household ammonia* (containing 3% ammonia) 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 minutes. Again flush the hoses, boom, and nozzles with the cleaning solution and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing agent and water.
4. Repeat step 2.
5. Rinse the tank, boom, and hoses with clean water.
6. The rinsate may be disposed of on-site or at an approved disposal facility.

* Equivalent amount of an alternate strength ammonia solution can be used in the clean out procedure. Carefully read and follow the individual cleaner instructions.

USE PRECAUTIONS

- Agriculturally approved drift-reducing additives may be used.
- Avoid applications when rainfall is forecasted to occur within 4 hours, avoid using overhead sprinkler irrigation or making applications when conditions favor rainfall.
- Avoid disturbing (e.g. cultivation) treated areas for at least 7 days following application.
- Temporary yellowing or stunting of the crop may occur following YUKON applications.
- Use of YUKON without an adjuvant can result in reduced efficacy.

USE RESTRICTIONS

- Do not treat areas where either downward movement into the soil or surface washing may cause contact of YUKON Herbicide with the roots of sensitive plants such as trees and shrubs.
- Do not apply YUKON Herbicide adjacent to sensitive crops when the temperature at the time of application exceeds 85°F as drift is more likely to occur.
- Do not apply this product through any type of irrigation system.
- Do not make more than the maximum number of applications per year for each crop.
- CALIFORNIA ONLY SENSITIVE CROP:

PRUNES

Buffer Zones:

1. Aerial applications shall not be made closer than 4 miles.
2. Ground applications shall not be made closer than 1 mile from prunes unless wind direction during the application is away from prunes. When wind direction during the ground application is away from prunes, ground applications shall not be made closer than 1/2 mile from prunes.

COTTON

Buffer Zones:

1. Aerial applications shall not be made closer than 1 mile from cotton.
2. Ground applications shall not be made closer than 1 mile from cotton unless wind direction during the application is away from cotton. When wind direction during the ground application is away from cotton, ground applications shall not be made closer than 1/2 mile from cotton.

For Optimum Results

Control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions. Heavy weed infestations should be treated early before the weeds become too competitive with the crop. Good coverage with YUKON Herbicide is essential. When applying YUKON follow "Weed Controlled Chart" and "Application Timing" sections of the label for improved control.

- When adding approved adjuvant follow mixing instructions regarding adjuvant.
- **For postemergence applications:**
  - Treat actively growing nutsedge plants at 3 to 6 inches in height at 4oz/A or 3 to 12 inches in height at 8 oz/A as per the weeds controlled chart below.
  - Treat young actively growing broadleaf weeds as per the weeds controlled chart below. Larger weeds may not be adequately controlled.
  - Wait 2 - 3 days after postemergent applications for to overhead irrigation.
  - Avoid applications when crops are under drought, stress, disease, or insect damage.
  - Use of YUKON Herbicide without an adjuvant can result in reduced efficacy.
- Heavy infestations should be treated early before the weeds become too competitive with the crop.
- A timely cultivation may be necessary to control suppressed weeds, weeds that were bigger than the maximum labeled size at application, weeds that emerge after an application, or weed species not on the YUKON Herbicide label. For best results, wait to cultivate treated soil area for 7 - 10 days after a postemergence application of YUKON Herbicide unless specified otherwise.
- Annual weeds may have multiple flushes of seedlings, or treated perennials may sometimes re-grow from underground stems or roots, depending upon rainfall and other environmental conditions. To maximize control of such weeds, it may be necessary to use sequential applications of YUKON Herbicide.

WEEDS CONTROLLED BY YUKON HERBICIDE ALONE

C = Control, S = Suppression, NA = No Activity

WEED SPECIES	SCIENTIFIC NAME	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY	WEED HEIGHT (IN) 4 OZ/ACRE	WEED HEIGHT (IN) 8 OZ/ACRE
Alfalfa	*Medicago sativa*	NA	C	----	1 to 6
Amaranth, palmer[2]	*Amaranthus palmeri*	C[2]	C[2]	1 to 3	1 to 6
Amaranth, spiny[2]	*Amaranth spinosus*	C[2]	C[2]	1 to 3	1 to 6
Artichoke, Jerusalem	*Helianthus tuberosus*	NA	C	1 to 4	1 to 8
Beggarweed, Florida	*Desmodium tortuosum*	NA	C	1 to 4	1 to 8
Bindweed	*Calystegia sepium*	NA	C	1 to 2	1 to 4
Buckwheat, wild	*Polygonum convolvulus*	NA	C	1 to 3	1 to 6
Burcucumber	*Sicyos angulatus*	NA	C	1 to 2	1 to 5
California arrowhead[3]	*Sagittaria montevidensis*	NA	C[3]	1 to 2	1 to 4
Chickweed, common	*Stellaria media*	C	NA	----	----
Clover, white (Dutch)	*Trifolium repens*	NA	C	1 to 4	1 to 8
Cocklebur, common	*Xanthium strumarium*	C	C	1 to 9	1 to 14
Corn spurry	*Spergula arvensis*	C	C	1 to 2	1 to 4
Dandelion, common	*Taraxacum officinale*	NA	C	1 to 2	1 to 3
Dayflower	*Commelina erecta*	C	S	1 to 2	1 to 4

WEED SPECIES	SCIENTIFIC NAME	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY	WEED HEIGHT (IN) 4 OZ/ACRE	WEED HEIGHT (IN) 8 OZ/ACRE
Deadnettle, purple	*Lamium purpureum*	C	NA	----	----
Devils claw	*Proboscidea louisianica*	NA	C	1 to 4	1 to 6
Dogbane, hemp	*Apocynum cannabinum*	NA	C	1 to 4	1 to 8
Eclipta	*Ecilpta prostrata*	C	S	1 to 2	1 to 4
Eveningprimrose, cutleaf	*Oenothera laciniata*	NA	C	1 to 2	1 to 4
Flatsedge, rice[2]	*Cyperus iria*	S[2]	C[2]	1 to 9	1 to 12
Fleabane, Philadelphia	*Erigeron philadelphicus*	NA	C	1 to 2	1 to 4
Galinsoga	*Galinsoga*	C	C	1 to 2	1 to 4
Golden crownbeard	*Verbesina encelioides*	NA	C	1 to 2	1 to 4
Goosefoot	*Chenopodium californicum*	C	C	1 to 2	1 to 4
Groundsel, common	*Senecio vulgaris*	C	NA	----	----
Horsenettle	*Solanum carolinense*	NA	C	1 to 4	1 to 8
Horsetail	*Equisetum arvense*	NA	S	1 to 2	1 to 4
Horseweed/Marestail[2]	*Erigeron canadensis*	C[2]	C[2]	1 to 2	1 to 4
Jimsonweed	*Datura stramonium*	C	C	1 to 2	1 to 4
Jointvetch	*Aeschynomene virginica*	NA	C	1 to 2	1 to 4
Kochia[2]	*Kochia scoparia*	C[2]	S[2]	1 to 3	1 to 6
Ladysthumb	*Polygonum persicaria*	C	C	1 to 2	1 to 4
Lambsquarter, common	*Chenopodium album*	C	C	1 to 2	1 to 4
Lettuce, prickly	*Lactuca serriola*	C	NA	----	----
Mallow, common	*Malva neglecta*	C	NA	----	----
Mallow, Venice	*Hibiscus trionum*	C	C	1 to 3	1 to 12
Mayweed chamomile (dog fennel)	*Anthemis cotula*	C	NA	----	----
Milkweed, common	*Asclepias syriaca*	NA	S	1 to 5	1 to 12
Milkweed, honeyvine	*Ampelamus albidus*	NA	S	1 to 3	1 to 6
Morningglory, ivyleaf[3]	*Ipomoea hederacea*	NA	S[3]	1 to 2	1 to 6
Morningglory, tall[3]	*Ipomoea purpurea*	NA	S[3]	1 to 2	1 to 6
Mustard, wild	*Sinapis arevensis*	C	C	1 to 3	1 to 6
Nightshade, black	*Solanum spp.*	NA	C	1 to 2	1 to 4
Nutsedge, yellow[1]	*Cyperus exculentus*	S[1]	C[1]	3 to 6	3 to 12
Nutsedge, purple[1]	*Cyperus rotundus*	S[1]	C[1]	3 to 6	3 to 12
Passionflower, maypop	*Passiflora incarnata*	NA	C	1 to 3	1 to 3
Pigweed, redroot[2]	*Amarunthus retrofiexus*	C[2]	C[2]	1 to 3	1 to 6
Pigweed, smooth[2]	*Amaranthus hybridus*	C[2]	C[2]	1 to 3	1 to 6
Plantain	*Plantago major*	C	NA	----	----
Pokeweed, common	*Phytolacca Americana*	NA	C	1 to 3	1 to 6
Purslane	*Portulaca oleracea*	S	C	1 to 3	1 to 3
Puncturevine	*Tribulus terrestris*	NA	C	1 to 2	1 to 4
Pusley, Florida	*Richardia scabra*	NA	C	1 to 2	1 to 4
Radish, wild	*Raphanus raphanistrum*	C	C	1 to 3	1 to 6
Ragweed, common[2]	*Ambrosia artemisiifolia*	C[2]	C[2]	1 to 9	1 to 12
Ragweed, giant[2]	*Ambrosia trifida*	NA	C[2]	1 to 3	1 to 6
Redstem[3]	*Ammania auriculata*	NA	C[3]	1 to 2	1 to 4
Ricefield bulrush[2]	*Scirpus mucronatus*	NA	C[2]	1 to 2	1 to 4
Sesbania, hemp	*Sesbania exaltata*	S	C	1 to 3	1 to 6
Shepherdspurse	*Capsella bursa-pastoris*	C	S	1 to 2	1 to 4

WEED SPECIES	SCIENTIFIC NAME	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY	WEED HEIGHT (IN) 4 OZ/ACRE	WEED HEIGHT (IN) 8 OZ/ACRE
Sicklepod	*Cassia obtusifolia*	NA	C	1 to 2	1 to 4
Sida, prickly	*Sida spinosa*	NA	C	1 to 2	1 to 4
Smallflower umbrella sedge[2]	*Cyperus difformis*	NA	C[2]	1 to 2	1 to 4
Smartweed, Pennsylvania	*Polyfonum pennsylvanicum*	C	S	1 to 2	1 to 4
Sunflower	*Helianthus annuus*	C	C	1 to 12	1 to 15
Sowthistle, annual	*Sonchus oleraceus*	C	C	2 to 4	2 to 8
Thistle, Canada	*Cirsium arvense*	NA	C	1 to 2	1 to 6
Thistle, Russian	*Salsola spp.*	NA	C	1 to 3	1 to 6
Velvetleaf	*Abutilan theophrasti*	C	C	1 to 9	1 to 12
Waterhemp[2]	*Amaranthus spp*	NA	C[2]	1 to 4	1 to 6
Willowherb	*Epilobium ciliatum*	C	NA	----	----
Yellowcress, creeping	*Rorippa sylvestris*	C	C	1 to 2	1 to 4

1. Heavy infestations of nutsedge may require sequential applications. An earlier treatment may be required to prevent nutsedge from competing with the crop.
2. Certain biotypes of this weed species are known to be resistant to ALS herbicides. Label rates of YUKON Herbicide are required to achieve control.
3. Use maximum label rates for best results.

APPLICATION INSTRUCTIONS

PREHARVEST INTERVAL

The required days between last application and harvest (PHI) are given in ( ) after each crop name.

CROP	OZ/ACRE	DIRECTIONS FOR USE
CORN, FIELD (SEED, GRAIN, FORAGE, FODDER, SILAGE, AND STOVER) (30)	4 - 8	**YUKON HERBICIDE Post Field Corn Applications** **Postemergence** - Apply YUKON Herbicide over the top or with drop nozzles from the spike through 36 inch field corn. To maximize efficacy apply from spike through 20 inch field corn. Drop nozzles are recommended for corn greater than 20 inches to ensure proper weed coverage. **Tank Mixtures for Corn:** It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture. Ensure that spray equipment is set up to avoid applying an excessive rate directly over the rows and into the whorl of the cornstalk. To ensure good spray coverage of weeds and to reduce the risk of spraying directly into the whorl, tank mix applications made after corn is 20 inches tall should be directed or semi-directed using drop nozzles. Before mixing in the spray tank, test the compatibility mixing all components in a small container in proportionate quantities. For tank mixtures, add individual formulations to a spray tank in the following sequence: water soluble bags, dry flowables, emulsifiable concentrates, drift control additive, water soluble liquids followed by NIS, COC or other adjuvants. Tank mixtures should not be applied if the crop is under severe stress due to drought, water-saturated soils, poor fertility (especially low nitrogen levels), hail, frost, insects or when the maximum daytime temperature is above 92° F at time of application. Tank mix applications under these conditions may cause temporary crop injury. Tank mixtures for additional broadleaf weed control, including but not limited to 2,4-D, Armezon™, atrazine, Buctril®, Callisto®, dicamba, Impact®, or Laudis® can be added. Tank mixtures for postemergence grass control, including but not limited to Accent®, Beacon®, Option® or Steadfast® can be added. Tank mixtures for additional grass and broadleaf control, including but not limited to Roundup® brands or glyphosate (glyphosate-tolerant corn only) or Ignite® and Liberty® (LibertyLink® hybrids only) can be added. **YUKON HERBICIDE and SOIL RESIDUALS in emerged corn** Alachlor, acetochlor, metolachlor and dimethenamid may be tank mixed with YUKON Herbicide for residual control of foxtails and other grass weeds in field corn.
	PRECAUTIONS: • Refer to "Mixing Instructions" and "Weeds Controlled Chart" for detailed information. • For best results use the higher rates for heavy weed infestation or weeds close to the maximum height for control. **RESTRICTIONS:** • Do not apply when soybeans are grown nearby if corn is more than 24" tall. • Do not apply more than 2 applications with a total application not to exceed 16 oz/A (0.125 lb Halosulfuron and 0.55 lb Dicamba) per year. • Refer to "Rotational Crop Restrictions" for applicable rotational crop information. • Minimum 14 days between applications • Following application to foliage, allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage.	

<table>
<tr><th>CROP</th><th>OZ/ACRE</th><th>DIRECTIONS FOR USE</th></tr>
<tr><td>CROP GROUP 17 PASTURE, RANGELAND, CRP AND FORAGE GRASSES/HAY
(37)
(All grasses/hay, (green or cured) Except those that can produce grain including; All rices, barley, buckwheat, pearl millet, oats, popcorn, rye, triticale, and wheat)</td><td>4 - 8</td><td>
<u>Established Fields</u>
Postemergence Broadcast - Apply YUKON Herbicide as a broadcast application to established pasture, rangeland, CRP and forage grasses/hay. Apply uniformly with ground equipment in a minimum of 10 gal of water per acre. Use a water volume that will provide uniform coverage of plants. It is recommended to make an application as soon as possible after removal of hay or before weeds exceed label height restriction. Wait for at least 48 hours after application before irrigation.

Postemergence Spot Treatment - Apply YUKON Herbicide as a spot treatment application to established pasture, rangeland, CRP or forage grasses/hay. Spot treatments will be applied at rates equivalent to broadcast field rates and not exceeding the maximum application rate. Water volume should be ample to allow for adequate weed coverage.

Spot treatment table for YUKON Herbicide applications per 1 gal of water given desired water volume (GPA) and YUKON Herbicide rate/acre. For applications of more than 1 gal multiply the gal volume by the teaspoons (tsp) listed in the following table. Adjuvants must be added per the recommendation under the adjuvants section of the YUKON Herbicide label

Teaspoons per gal of spray water
<table>
<tr><th>GPA</th><th>4 oz/acre</th><th>6 oz/acre</th><th>8 oz/acre</th></tr>
<tr><td>10</td><td>2.4 tsp</td><td>3.6 tsp</td><td>4.8 tsp</td></tr>
<tr><td>15</td><td>1.6 tsp</td><td>2.4 tsp</td><td>3.2 tsp</td></tr>
<tr><td>20</td><td>1.2 tsp</td><td>1.8 tsp</td><td>2.4 tsp</td></tr>
</table>
Postemergence followed by Postemergence - To maximize control of nutsedge, it may be necessary to use a second postemergence spot application to those areas where the nutsedge has emerged or re-grown. For these situations, use a spot treatment method treating only those areas of emerged nutsedge. Application rates must not exceed 8 oz of product per treated acre per year, in these areas. Use a water volume that will allow for good coverage of the plants.

<u>Tank Mixtures for Pasture Rangeland, CRP and Forage Grasses/Hay:</u>
It is the pesticide user's responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture.
Tank mixtures for additional broadleaf weed control, including but not limited to 2, 4-D, dicamba, and Grazon® can be added.
Labeled insecticides, including Confirm®, and labeled fungicide products can be tank mixed with YUKON Herbicide.
Listed day intervals following an application of YUKON Herbicide.
<table>
<tr><th rowspan="2">Crop</th><th colspan="3">Lactating and Non-lactating Animals</th></tr>
<tr><th>Pre-Grazing Interval (PGI)</th><th>Pre-Harvest Interval (PHI)</th><th>Pre-Slaughter Interval (PSI)</th></tr>
<tr><td>Pasture, Rangeland, CRP and Forage Grasses/Hay</td><td>0</td><td>37</td><td>0</td></tr>
</table>
</td></tr>
<tr><td></td><td colspan="2">
PRECAUTIONS:
• For new pasture seeding, apply YUKON Herbicide after the grasses are well established and have developed a secondary root system.
• Refer to "Mixing Instructions" and "Weeds Controlled Chart" for detailed information on YUKON Herbicide application.
RESTRICTIONS:
• Refer to "Rotational Crop Restrictions" for applicable rotational crop information.
• Do not apply more than 2 applications with a total application not to exceed 16 oz/A (0.125 lb Halosulfuron and 0.55 lb Dicamba) per year.
• Pre-harvest Interval (PHI): Do not harvest/bale green or dry forage within 37 days after application.
• Dairy animals are permitted to graze fields following applications of YUKON.
• Minimum 14 days between applications.
</td></tr>
</table>

<table>
<tr><th>CROP</th><th>OZ/ACRE</th><th>DIRECTIONS FOR USE</th></tr>
<tr><td rowspan="2">MILLET
PROSO,

(0 Millet Forage)

(50 Millet Grain and Straw)

(37 Millet Hay)</td><td>3 - 4</td><td>YUKON Herbicide alone can be applied from 3 - 5 leaf Millet at a rate of 3 - 4 oz per acre. Temporary stature reduction may occur to the crop following application of YUKON Herbicide if the millet is under stress. This effect will be most evident 7 - 10 days after application. The crop will quickly recover under normal growing conditions. Applications should be made after weed emergence and actively growing. If adding a tank mix, refer to the tank mix section of this label.
<u>Tank Mixtures for Millets:</u>
It is the pesticide user’s responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture.

Tank mixtures for additional broadleaf weed control, including but not limited to 2, 4-D and dicamba can be added. Insecticide and fungicide products can be tank mixed with YUKON Herbicide.

Listed day intervals following an application of YUKON Herbicide.
<table>
<tr><th rowspan="2">Crop</th><th colspan="3">All Animals (Lactating and Non-lactating)</th></tr>
<tr><th>Pre-Grazing Interval (PGI)</th><th>Pre-Harvest Interval (PHI)</th><th>Pre-Slaughter Interval (PSI)</th></tr>
<tr><td>Millet Forage</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>Millet Grain</td><td>N/A</td><td>50</td><td>0</td></tr>
<tr><td>Millet Straw</td><td>N/A</td><td>50</td><td>0</td></tr>
<tr><td>Millet Hay</td><td>N/A</td><td>37</td><td>0</td></tr>
</table></td></tr>
<tr><td colspan="2">PRECAUTIONS:
• For best results use higher rates for heavy weed infestations or weeds close to the maximum height for control.
• Refer to “Mixing Instructions” and “Weeds Controlled Chart” for detailed information on YUKON Herbicide application.
RESTRICTIONS:
• Refer to “Rotational Crop Restrictions” for applicable rotational crop information.
• Do not apply more than 1 application with a total application not to exceed 4 oz/A (0.031 lb Halosulfuron and 0.137 lb Dicamba per year.</td></tr>
<tr><td rowspan="2">SORGHUM, (MILO) (SEED, GRAIN, FORAGE, FODDER, SILAGE, AND STOVER)
(30)</td><td>4 - 6</td><td>Postemergence - Apply YUKON Herbicide from the 2 leaf through 15 inch tall sorghum.
Use drop nozzles if sorghum is taller than 8 inches. Application made when the sorghum is in the 3 - 5 leaf stage and weeds are small will result in best performance. Temporary stature reduction may occur to the crop following application of YUKON Herbicide if the grain sorghum is under stress. This effect will be most evident 7 - 10 days after application. The crop will quickly recover under normal growing conditions.

<u>Tank Mixtures for Grain Sorghum:</u>
It is the pesticide user’s responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture.
Tank mixtures with YUKON Herbicide can include, but are not limited to atrazine, Buctril® or 2, 4-D.</td></tr>
<tr><td colspan="2">PRECAUTIONS:
• Refer to “Mixing Instructions” and “Weeds Controlled Chart” for detailed information on YUKON Herbicide application.
RESTRICTIONS:
• Refer to “Rotational Crop Restrictions” for applicable rotational crop information.
• Do not apply to sorghum grown for seed production.
• Do not apply more than 1 application with a total application not to exceed 6 oz/A (0.046 lb Halosulfuron and 0.206 lb Dicamba) per year.
• Grazing and Pre-harvest Interval (PHI): Following application to foliage, allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage.</td></tr>
<tr><td>SUGARCANE
(87)</td><td>4 - 8</td><td>Apply YUKON Herbicide prior to planting, prior to emergence or after the emergence of the sugarcane, and until row closure. Mechanical cultivation may be required to control weed species not on the label. If so, a sequential treatment may be required to control weeds in areas of disturbed soil.

Apply YUKON Herbicide in combination with glyphosate agricultural herbicides for pre-plant burn down of emerged annual grasses, broadleaf weeds and nutsedge in sugarcane.

<u>Tank Mixtures for Sugarcane:</u>
It is the pesticide user’s responsibility to ensure that all products in the listed mixtures 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 and precautionary language of the products in the mixture.
Tank mixtures with YUKON Herbicide can include, but are not limited to Asulox®, atrazine , Callisto®, Envoke®, Evik®, glyphosate, or 2,4-D.</td></tr>
</table>

SUGARCANE (87) (continued)	**PRECAUTIONS:** • Refer to "Mixing Instructions" and "Weeds Controlled Chart" for detailed information on YUKON Herbicide application. **RESTRICTIONS:** • Pre-harvest Interval (PHI): Do not apply within 87 days of harvest. • Following application to foliage allow 30 days before grazing domestic livestock, harvesting forage, or harvesting silage. • Refer to "Rotational Crop Restrictions" for applicable rotational crop information. • Do not apply more than 2 applications (including pre-plant applications) with a total application not to exceed 16 oz/A (0.125 lb Halosulfuron and 0.55 lb Dicamba) per year. • Minimum 14 days between applications.	
TURFGRASS SOD	4 - 8	**Postemergence -** Apply YUKON Herbicide after nutsedge has reached the 3 - 5 leaf stage of growth. Use the lower rate in light infestations and the higher rate in heavy infestations. For control of purple or yellow nutsedge found in established turfgrass. A second treatment may be required 6 - 10 weeks after the initial treatment. Apply YUKON Herbicide as a sequential treatment, when new purple or yellow nutsedge plants have reached the 3 - 5 leaf stage of growth, Use the lower rate in light infestations and the higher rate in heavy infestations. Use 0.25 - 0.5% NIS concentration (1 - 2 qt per 100 gal of spray solution) for broadcast applications. For high volume applications, DO NOT exceed 1 qt of surfactant per acre. Use only NIS which contains at least 80% active material. **DO NOT exceed the recommended amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.** **Fallow Treatments in Turfgrass Seed and Sod Production Areas:** YUKON Herbicide can be used on fallow areas prior to establishing turfgrass plants. Allow 4 weeks between application and seeding or sodding of turfgrass.
	PRECAUTIONS: • For best results, do not mow turf for 2 days before or 2 days after application. • This product is effective if no rainfall occurs within 3 hours, but best results are obtained with no rainfall or irrigation for at least 8 hours. • This product may be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application. • Avoid application of YUKON when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result. • This product has not been tested for all turf types. **RESTRICTIONS:** • Do not apply as an over the top spray to desirable shrubs or trees. • Do not apply prior to first cutting on newly established sod. • Refer to the "Rotational Crop Restrictions" for applicable rotational crop information. • Do not apply more than 2 applications with a total application not to exceed 16 oz/A (0.125 lb Halosulfuron and 0.55 lb Dicamba) per year. • Minimum 14 days between applications.	
CROP STUBBLE AND FALLOW GROUND	4 - 8	**Post Harvest Burndown** – Apply at a use rate ranging between 4 to 8 ounces of product by weight per acre.
	RESTRICTIONS: • Do not apply more than 2 applications with a total application not to exceed 16 oz/A (0.125 lb Halosulfuron and 0.55 lb Dicamba) per year. • Refer to "Rotational Crop Information" for applicable rotational crop information. • Minimum 14 days between applications.	

ROTATIONAL CROP RESTRICTIONS

Rotation intervals below may need to be extended if drought or cool conditions prevail. Rotation intervals may need to be extended on drip irrigated crops in Arizona and California. Canyon Group recommends that the end user test this product in order to determine its suitability for such intended use. When using YUKON in tank mixes, refer to the individual product labels being tank mixed. To determine rotational crop restrictions follow the longest rotational limitation of the product being tank mixed.

TIME INTERVAL BEFORE PLANTING
(Months after treatment with YUKON Herbicide)

Crop	Months	Exceptions
IR/IMR Field corn	0	
Sugarcane	0	
IT Field corn	1	
Normal Field corn	1	
Barley (winter)	2	
Forage Grasses	2	
Oats	2	

Proso Millet	2	
Rye (winter)	2	
Seed corn	2	
Sorghums	2	
Spring cereal crops	2	
Wheat (winter)	2	
Rice	2	
Popcorn, Sweet corn	3	
Cotton	4	
Peanuts	6	
Tomato (transplant)	8	2 months in the northeast, southeast, and 3 months in TX
Alfalfa	9	
Clovers	9	
Dry Beans	9	2 months in the northeast, southeast and TX
Field Peas	9	
Peas	9	
Potatoes	9	
Cucumbers, Pumpkins, Squash	9	2 months in the southeast
Snap Beans	9	2 months in the northeast, southeast, and 3 months in TX
Soybeans	9	Where soil pH is less than 7.5 the interval is 5 months
Melons	9	
Peppers	10	4 months for FL transplants and 3 months in TX
Eggplant	12	4 months for FL transplants
Radish	12	3 months in the muck soil areas of FL only
Cabbage	15	3 months in the muck soil areas of FL only
Canola	15	
Carrot	15	
Mint	15	
Broccoli, Cauliflower, Collards	18	3 months in the muck soil areas of FL only
Leeks, Onions	18	
Lettuce crops	18	3 months in the muck soil areas of FL only
Sunflowers	18	
Sugarbeet (Michigan only)	21	
Sugarbeet and Red Beet	24	
Spinach	24	
Strawberries	36	6 months for annual FL transplants
Sugarbeet (ND, MN, Red River Valley)*	36	

*Also includes other regions where rainfall is sparse or irrigation is required.

Refer to individual product labels to determine rotational crop restrictions when tank mixtures are used.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store under cool, dry conditions (below 120° F). Do not store under moist conditions.
Keep container TIGHTLY sealed to prevent moisture from damaging any unused product.

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

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or other procedures allowed by state and local authorities.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC® (800) 424-9300.

For other product information, contact Gowan Company or see Material Safety Data Sheet.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT PERMITTED BY LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

YUKON is formulated in the United States and contains the active Ingredient Halosulfuron-methyl which is made in Japan.

01-R0322