

% BY WT. Methyl 2-[[[(4-methoxy-6-methyl-1.3.5-triazin-2-yl)-INERT INGREDIENTS: . 40.0% EPA Reg. No. 66222-146

KEEP OUT OF REACH OF CHILDREN CAUTION

For additional precautionary, handling, and use statements, see inside of this booklet

Manufactured for: Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Road, Suite 300 • Raleigh, NC 27609

FIRST AID

	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; the continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR	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. Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call

FG# 12291; 13395 Label# 13409

CLOTHING:

EPA 041609/Notif 020210/Rev D

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resista gory selection chart.

Applicators and other handlers must wear Long-sleeved shirt and long pants

- Shoes and socks
- · Chemical-resistant gloves category A such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry

ENGINEERING CONTROL 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 mod-

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency such as a spill or equip-

USER SAFETY RECOMMENDATIONS

USERS SHOULD:

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

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply where runoff water may flow dur ing periods of intense rainfall or to water-saturated soils, as off-target movement and iry may occur. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not apply this product through any type of irrigation system.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

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, 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 (RFI) of 4 hours

PPE required for early entry to treated areas that is permitted under the Worke Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water is: coveralls, shoes, socks, and chemical-resistant gloves category A such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber.

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 Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests nurseries, or greenhouses. Do not enter treated areas without protective clothing unti sprays have dried.

State Specific Restrictions:

The state of Arizona has not approved this product for use on agricultural sites. Do not use this product on uses considered by the Arizona statutes to be agricultural uses.

SPRAYER CLEANUP

Immediately after spraying, thoroughly remove all traces of Quali-Pro MSM Turf herbicide from mixing and spray equipment as follows: 1) Drain tank, rinse interior surface of tank, then flush tank, boom, and hoses with clean

water for a minimum of 5 minutes. 2) Fill the tank with clean water, then add an ammonia cleaning solution. Use one gallon

ammonia (containing 3% active) per 100 gallons of water. Turn on sprayer long enough to flush through boom, hoses, and nozzles. Stop spraying, but keep agitator working in the tank for 15 minutes, then drain

3) Repeat Step 2. 4) Repeat Step 1.

5) Nozzles and screens should then be removed and cleaned separately. To remove traces of cleaning solution, rinse the tank thoroughly with clean water and flush through hoses

6) Flush boom and hoses with clean water for 5 minutes just prior to using the sprayer for the first time after the Quali-Pro MSM Turf herbicide applicat

ORNAMENTAL TURF, SUCH AS LAWNS, PARKS, CEMETERIES, AND GOLF COURSES (FAIRWAYS, APRONS, TEES, AND ROUGHS) - NON-AGRICULTURAL USE SOD FARMS - AGRICULTURAL USE

Controls the following perennial and annual weedy grasses: Bahiagrass Ryegrass Foxtail

Controls the following broadleaf (dicot) weeds:

Hoary cress (whitetop) Annual sowthistle Aster Kochia Bittercress Lambsquarters Blue mustard Miners lettuce Buckhorn Pennsylvania smartweed Bur buttercup Canada thistle Prickly lettuce Chicory Prostrate knotweed Clover (white) Redroot pigweed Common chickweed Redstem filaree Common groundse

Common mullein Smallseed flaxweed Common purslane Smooth pigweed Common sunflower Spurge (prostrate) Tansy mustard Conical catchfly Treacle mustard Cow cockle Tumble mustard Curly dock Virginia buttonweed Wild celery Dogfennel False chamomile Wild lettuce Fiddleneck tarweed Wild mustard Field pennycress Wild onion Wild garlic Woodsorrel (oxalis) Goldenrod

For use only on Kentucky Bluegrass, Fine Fescue, Bermudagrass, Centipedegrass, Zoysiagrass (Meyers and Emerald), and St. Augustinegrass turf areas.

USE PRECAUTIONS

Use lowest rates for minimum chlorosis of the turf.

Do not apply Quali-Pro MSM Turf herbicide to turf under stress from drought, insects, disease, cold temperatures, high temperatures of above 85°F on cool-season grasses, or poor fertility, as injury may result.

Do not apply to turf less than 1 year old.

Do not use on Bahiagrass where it is the desired turf, as severe injury may result.

Do not plant ornamentals such as shrubs and trees in treated areas for at least 1 year after the last application or bedding plants for at least 2 years

IMPORTANT

Addition of a non-ionic surfactant of at least 80% active ingredient at 0.25 percent by volume (1 qt./100 gal.) provides maximum performance but may temporarily increase chlorosis of the turf.

When an adjuvant is to be used with this product, Makhteshim Agan of North America Inc. suggests the use of a Chemical Producers and Distributors Association certified

Allow one week between the application of Quali-Pro MSM Turf herbicide and other pesticide products. (This guideline can be relaxed where severe insect or disease attack

DO NOT USE ON FOOD OR FEED CROPS. Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply Quali-Pro MSM Turf herbicide (except as directed) 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

When overseeding, wait 2 months (8 weeks) after application. Do not apply to any body of water including streams, irrigation water, or wells. Do not apply where runoff water may flow onto agricultural land, as injury to crops may result.

Do not allow spray drift onto adjacent crops or other desirable plants or trees, as injury

Follow these practices to minimize drift:

- Stop spraying if wind speed becomes excessive. Spray drift can occur at wind speeds less than 10 mph. If sensitive plants are downwind, extreme caution must
- be used. Do not spray if winds are gusty.

 High temperatures, drought, and low relative humidity increase the possibility of harmful spray drift. Caution must be used when these conditions are present and
- sensitive plants are nearby. Use large droplet size sprays to minimize drift.
- · Use spray pressures of 35 psi or less when applying this product.

HOW TO USE

Use spray volumes of 20 to 80 gal./acre and pressures of 25 to 35 psi at the following rates of Quali-Pro MSM Turf herbicide from the weeds listed below:

0.125 TO 0.25 OZ. PRODUCT/ACRE

0.25 TO 0.33 OZ. PRODUCT/ACRE

Field pennycress Blue mustard Bur buttercup Parsley-piert Chickweed Prostrate spurge Chicory Redstem filaree Clover (white) Spurweed Creeping beggarweed Dandelion

0.33 TO 0.5 OZ. PRODUCT/ACRE

Ryegrass (fairways) Seedling dogfenne Carolina geranium Shepherdspurse Common yarrow Smooth pigweed Smallseed falseflax Crown vetch Florida betony Sweet clover Ground ivy (Spring*) Tansy mustard Henbit Treacle mustard Lambsquarters Tumble mustard Wild celery Lespedeza Miners lettuce Wild garlic Wild lettuce Plantain Prickly lettuce Wild onion Woodsorrel (oxalis) Ragweed

Redroot pigweed 0.25 TO 0.75 OZ. PRODUCT/ACRE

0.5 TO 1 OZ. PRODUCT/ACRE

Florida pusley Brazil pusley Buckhorn plantain Foxtail Canada thistle* Hoary cress (whitetop) Curly dock Kochia Common groundsel Pennsylvania smartweed Common purslane Common sunflower Plantain Prostrate knotweed Sida (southern) Crabgrass Virginia buttonweed** Dogfennel

Dollarweed' Wild mustard A repeat application may be required in 4 to 6 weeks Suppression only involving a visual reduction in competition compared to an untreat-

Controls seedling Virginia buttonweed. Suppression only of more mature plants. Repeat application may be required in 4 to 6 weeks.

The required amount of Quali-Pro MSM Turf herbicide should be added when the spray

tank is half full of water; and with agitator running, add the proper amount of product Finish adding the required amount of water. Continuous agitation is required to keep the

Spray preparations of this product may degrade in acid solutions if not used in 24 hours; it s stable in alkaline solutions. Thoroughly re-agitate before using

Tank mixes with other registered herbicides should be tested for compatibility before full scale mixing. Use mechanical or bypass agitation to thoroughly mix the spray suspension. It is not necessary to premix this product with water in a separate container prior to adding it to the spray tank. This product should always be added to the tank first before any othe

Kentucky Bluegrass and Fine Fescue: Apply 0.25 to 0.5 oz. of Quali-Pro MSM Turf herbicide per acre for control of the listed weeds. Do not exceed a total of 0.5 oz. per acre

St. Augustinegrass, Bermudagrass, and Zoysiagrass (Meyers and Emerald): Apply 0.25 to 1.0 oz. of Quali-Pro MSM Turf herbicide per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following application.

Bahiagrass Control: For the selective control of Bahiagrass in Bermudagrass turf, use 0.25 to 0.75 oz of Quali-Pro MSM Turf herbicide per acre. Use the higher rates of the range on Argentine, Common, and Paraguayan Bahiagrass. Apply a repeat treatment in 4 to 6 weeks if necessary. Some chlorosis or stunting of the Bermudagrass may occur

Centipedegrass: Apply 0.25 to 0.5 oz. of this product per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following the application

IMPORTANT: Addition of a non-ionic surfactant of at least 80% active ingredient at 0.25 percent by volume (1 qt./100 gal.) provides maximum performance but may temporarily increase chlorosis of the turf.

Allow one week between the application of Quali-Pro MSM Turf herbicide and other pesticide products. (This guideline can be relaxed where a severe insect or disease attack requires immediate treatment.)

AGRICULTURAL USES **CONIFER PLANTATIONS**

Application Information

Quali-Pro MSM Turf herbicide is used to control many species of weeds and deciduous trees on sites where conifers are growing or are to be planted. Apply by ground equipment or by air (helicopter only). Refer to the "Weeds Controlled" and "Brush Species Controlled" for a listing of susceptible species.

Application Timing

Apply Quali-Pro MSM Turf herbicide after weeds have emerged or after undesirable hardwoods have broken winter dormancy and have reached the point of full leaf expansion

Conifer Site Preparation

Application Before Transplanting

After consulting the "Weeds Controlled" and "Brush Species Controlled" tables, apply the rates of Quali-Pro MSM Turf herbicide specified for the most difficult to control species on

Southeast—Apply up to 4 ounces per acre for loblolly and slash pines. Transplant the fol-

Northeast and Lake States—Apply up to 2 ounces per acre for red pine. Transplant the following planting season. Apply up to 2 ounces per acre for black, white, and Norway spruce. Transplant the following spring.

West-Apply up to 2 ounces per acre prior to planting Douglas Fir, Sitka Spruce, Western Red Cedar, Western Hemlock, Ponderosa Pine, and Grand Fir in the Coast Rangeland and western slope of the Cascades in Oregon and Washington. These conifer species listed can be planted any time after application. Other conifer species can be planted providing the user has prior experience indicating acceptable tolerance to soil residues of this product.

In the absence of prior experience, in order to avoid unacceptable injury, other species should be planted on a small scale to determine safety before large-scale plantings are made. Makhteshim Agan of North America, Inc. will not be responsible for injury to any conifers not listed on this label.

Tank Mix Combinations

For broader spectrum control, the following products may be used in combination with Quali-Pro MSM Turf herbicide.

Tank mix 1 to 2 ounces of Quali-Pro MSM Turf herbicide with 2 to 10 quarts of Accord per acre. Refer to the product container for a list of species controlled

Arsenal¹ Applicator's Concentrate

Tank mix 1 to 2 ounces of Quali-Pro MSM Turf herbicide with 10 to 24 fluid ounces of Arsenal Applicator's Concentrate per acre. Loblolly and slash pines may be transplanted the planting season following application. The combination controls ash, black gum, cherry, hawthorn, honeysuckle, hophornbeam, persimmon, oaks (red, white, and water), sassafras, sweetgum, *Vaccinium* species and suppresses blackberry, dogwood, elms, myrtle dahoon, hickories, and red maple.

Accord² + Arsenal¹ Applicator's Concentrate

Tank mix ½ to 1 ounce of Quali-Pro MSM Turf herbicide with 16 to 64 fluid ounces of Accord and 10 to 12 fluid ounces of Arsenal Applicator's Concentrate per acre. Slash and loblolly pines may be transplanted the planting season following application. The combination controls cherry, dogwood, elms, oaks (red and water), persimmon, sassafras, sweetgum and suppresses hickory.

VELPAR® L or VELPAR® DF

Tank mix 1 to 2 ounces of Quali-Pro MSM Turf herbicide per acre with VELPAR L or VEL-PAR DF at the rates specified on the container for various soil textures. Loblolly and slash pines may be transplanted the planting season following application. Refer to the product container for a list of species controlled.

OUST EXTRA7 (or Generic Sulfometuron Methyl)

Tank mix % to 1 % ounces of Quali-Pro MSM Turf herbicide with 2 to 3 ounces of OUST EXTRA 7 (or generic equivalent) per acre for herbaceous weed control. Refer to the product container and the "Weeds Controlled" section of this label for a listing of the weeds controlled. Loblolly and slash pines may be transplanted the planting season following

Tank mix 2 ounces of Quali-Pro MSM Turf herbicide with 3 ounces of OUST EXTRA7 (or generic equivalent) per acre for herbaceous weed control and early spring suppression of bull thistle and Canada thistle in the Coast Rangeland and western slope of the Cascade Mountains. Douglas fir may be transplanted at least 90 days following application

Hardwood Control and Suppression

Quali-Pro MSM Turf herbicide is used for application over the top of established slash and lobiolly pines to control the species listed in "Weeds Controlled" and "Brush Species Controlled" sections of this label. Apply 1 to 4 ounces per acre to control the species indicated including kudzu.

Tank Mix Combinations For broader spectrum control, the following products may be used in combination with Quali-Pro MSM Turf herbicide.

Arsenal Applicator's Concentrate
A tank mix of 1 to 2 ounces of Quali-Pro MSM Turf herbicide with 8 to 16 fluid ounces of Arsenal Applicator's Concentrate per acre may be applied to loblolly pine. Refer to the Arsenal Applicator's Concentrate label regarding the use of surfactants and the appropriate application timing with respect to the age and development stage of the pines. The combination controls ash, black gum, cherry, hawthorn, honeysuckle, hophornbeam, oaks (red, white, and water), sassafras, sweetgum, Vaccinium species and suppresses

VELPAR® L or VELPAR® DF

Tank mix 1 to 2 ounces of Quali-Pro MSM Turf herbicide with VELPAR L OR VELPAR DF at the rates specified on the container for various soil textures. The combination may be applied to loblolly and slash pines.

blackberry, dogwood, elms, myrtle dahoon, hickories, persimmon, and red maple

Release

Herbaceous Weed Control

Quali-Pro MSM Turf herbicide may be applied to transplanted loblolly and slash pine for the control of herbaceous competition. Consult the "Weeds Controlled" section for a listing of the susceptible species and specified application rates. Best results are obtained when Quali-Pro MSM Turf herbicide is applied just before weed emergence until shortly after weed emergence.

Tank Mix Combinations

For broader spectrum control, the following products may be used in combination with

Arsenal Applicator's Concentrate Tank mix 1/2 to 1 ounce of Quali-Pro MSM Turf herbicide with 4 ounces of Arsenal

Applicator's Concentrate per acre. The tank mix may be used on loblolly pine. OUST XP Tank mix 1/2 to 1 ½ ounces of Quali-Pro MSM Turf herbicide with 2 to 3 ounces of OUST

XP7 (or generic equivalent) per acre. Best results are obtained when Quali-Pro MSM Turf

herbicide is applied just before weed emergence until shortly after weed emergence. The

tank mix may be used on loblolly and slash pines.

VELPAR® L or VELPAR® DF Tank mix 1/2 to 1 ounce of Quali-Pro MSM Turf herbicide with VELPAR®L or VELPAR® DF at the rates specified on the container for various soil textures. The combination may be

applied to loblolly and slash pines. IMPORTANT PRECAUTIONS—CONIFER PLANTATIONS ONLY

 Applications of Quali-Pro MSM Turf herbicide made to conifers that are suffering from loss of vigor caused by insects, diseases, drought, winter damage, animal damage excessive soil moisture, planting shock, or other stresses may injure or kill the trees. Applications of Quali-Pro MSM Turf herbicide made for herbaceous release should only

be made after adequate rainfall has closed the planting slit and settled the soil around

- the roots following transplanting. Do not apply Quali-Pro MSM Turf herbicide to conifers grown as ornamentals.
- Quali-Pro MSM Turf herbicide applications may result in damage and mortality to other species of conifers when they are present on sites with those listed in the preceding section for conifer plantations

HARDWOOD PLANTATIONS

Application Information

Quali-Pro MSM Turf herbicide may be used to control many species of weeds on sites where yellow poplar is growing or is to be planted and on sites where red alder is to be planted. Apply at up to 2 ounces per acre by ground equipment or by air (helicopter only). Refer to the "Weeds Controlled" section of this label for a listing of susceptible species.

Application Timing

This product may be applied as a site preparation treatment prior to planting red alder or yellow poplar and may also be applied as a preplanting site preparation treatment for red alder in tank mixes with other herbicides labeled for this use.

Quali-Pro MSM Turf herbicide may also be applied over the top of planted yellow poplar seedlings after the soil has settled around the root systems but before the seedlings have broken dormancy (prior to bud break).

Herbaceous Weed Control

Quali-Pro MSM Turf herbicide may be applied to yellow poplar for the control of herbaceous competition. Consult the "Weeds Controlled" for a listing of susceptible species and specified application rates. Best results are obtained when Quali-Pro MSM Turf herbicide is applied just before weed emergence until shortly after weed emerger

Tank Mix Combinations Tank mix 1/2 ounce of Quali-Pro MSM Turf herbicide with 4 to 6 pints of VELPAR® L as

following transplanting

directed on the package label for "RELEASE-HERBACEOUS WEED CONTROL" in pine plantations in the eastern U.S. Follow the VELPAR® L label instructions regarding al ing the application rate by soil texture IMPORTANT PRECAUTIONS—HARDWOOD PLANTATIONS ONLY

Application of VELPAR⁸ L and Quali-Pro MSM Turf herbicide made to yellow poplar that

are suffering from loss of vigor caused by insects, disease, drought, winter damage animal damage, excessive soil moisture, planting shock, or other stresses may injure or kill the seedlings.

Applications of Quali-Pro MSM Turf herbicide made for release should only be made

after adequate rainfall has closed the planting slit and settled the soil around the roots

A surfactant may not be used for applications made over the tops of trees.

• Careful consideration must be given by an experienced and knowledgeable forester to match the requirements of yellow poplar to the conditions of the site. Treatment of yellow poplar planted on a site inadequate to meet its requirements may injure or kill the seedlings

NON-AGRICULTURAL USES

WEEDS CONTROLLED

1/3 to 1/2 ounce per acre Goldenrod Lambsquarters Bahiagrass Marestail/horseweed** Beebalm Maximillion sunflower Bittercress Miners lettuce Bitter sneezeweed Pennsylvania smartweed Blackeyed-susan Blue mustard Bur buttercup Plains coreopsis Plantain Redroot pigweed Chicory Redstem filaree Clover Rough fleabane Cocklebur Shepherdspurse Common chickweed Silky crazyweed (locoweed) Smallseed falseflax Common groundsel Common purslane Smooth pigweed Sweet clover Conical catchfly Tansymustard Corn cockle Treacle mustard Cow cockle Tumble mustard Crown vetch Wild carrot Dandelion Wild garlic Wild lettuce Dogfennel False chamomile Wild mustard Fiddleneck tarweed Wooly croton

Wood sorrel

Honeysuckle

Wild roses Musk thistle***

Salsify Snowberry

St. John's wort

Multiflora rose and other

1/2 to 1 ounce per acre

Field pennycress

Black henbane

Broom snakew

Buckhorn plantair

Bull thistle Oxeye daisy Common crupina Plumeless thistle Common sunflowe Prostrate knotweed Curly dock Rosering gaillardia Dewberry Seaside arrowgrass Dver's woad Sericea lespedeza Tansy ragwort Halogeton Wild caraway 1 to 2 ounces per acre Purple loosestrife Common mullei Common tansy Purple scabious Scotch thistle Field bindweed Greasewood Gumweed Scouringrush

Old world climbing fern (Logodium) Perennial pepperweed

Houndstongue

Lupine

Sulfur cinquefoil Western salsify Whitetop (hoary cress) Poison hemlock Wild Iris 1 1/2 to 2 ounces per acre Tall larkspur Canada thistle Dalmation toadflax* Wild parsnip

3 to 4 ounces per acre

Russian knapweed

Apply fall through spring

Suppression, which is a visual reduction in weed competition (reduced population or vigor) as compared to untreated areas. Apply as a full coverage spray for best performance. Certain biotypes of musk thistle are more sensitive to Quali-Pro MSM Turf herbicide and may be controlled with rates of 1/4 to 1/2 ounce per acre. Treatments of Quali-Pro MSM

Turf herbicide may be applied from rosette through bloom stages of development. ****Certain biotypes of marestail/horsetail are less susceptible to Quali-Pro MSM Turf herbicide and may be controlled by tank mixes with herbicides with a different mode

Tank Mix Combinations for Problem Weed Control For broader spectrum control and for use on certain biotypes of broadleaf weeds which may be resistant to Quali-Pro MSM Turf herbicide and herbicides with the same mode of

16 fluid ounces of 2,4-D for the control of kochia

action, the following tank mixes may be used: Dicamba + 2,4-D Combine 1/2 ounce of Quali-Pro MSM Turf herbicide with 8 fluid ounces of dicamba and

Combine 1/2 ounce of Quali-Pro MSM Turf herbicide with 8 ounces of dicamba and 16 fluid ounces of 2,4-D for the control of spotted knapweed

Combine 1 ounce of Quali-Pro MSM Turf herbicide with 8 fluid ounces of dicamba and 16

fluid ounces of 2,4-D for the suppression of rush skeletonw NON-CROP (INDUSTRIAL) SITES

Application Information

Quali-Pro MSM Turf herbicide may be used for general weed and brush control on non-crop and outdoor industrial sites such as airports, military installations, fence rows, roadsides and associated rights-of-way, petroleum tank farms, pipeline and utility rights-of-way, pumping stations, railroads, storage areas, plant sites, and governmental and private

lands. It also may be used for the control of certain noxious and troublesome weeds Consult the "Weeds Controlled" and "Brush Species Controlled" tables to determine the

Quali-Pro MSM Turf 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

For best results, Quali-Pro MSM Turf herbicide should be applied postemergence to

Application Timing

young, actively growing weeds. Application may be made at any time of the year, except GRASS REPLANT INTERVALS

Following an application of Quali-Pro MSM Turf herbicide to non-crop areas, the treated sites may be replanted with various species of grasses at the intervals specified below. For soils with a pH of 7.5 or less, observe the following replant intervals:

Species	Quali-Pro MSM Turf Herbicide Rate oz/a	Replant Interval (months)
Brome, Meadow	1/2 – 1	2
	1 – 2	3
Brome, Smooth	1/2 – 1	2
	1 – 2	4
Fescue, Alta	1/2 - 1	2
	1 – 2	4
Fescue, Red	1/2 – 1	2
	1 – 2	4
Fescue, Sheep	1/2 - 1	1
•	1 – 2	4
Foxtail, Meadow	1/2 – 1	2
	1 – 2	4
Green Needlegrass	1/2 – 2	1
Orchardgrass	1/2 – 1	2
· ·	1 – 2	4
Russian wildrye	1/2 – 1	1
,	1	2
	2	3
Switchgrass	1/2 – 1	1
3	1 – 2	3
Timothy	1/2 – 1	2
,	1 – 2	4
Wheatgrass, Western	1/2 – 1	2
	1 – 2	3

For soils with a pH of 7.5 or greater, observe the following replant intervals: Quali-Pro MSM

Species	Turf Herbicide Rate oz/a	Replant Interval (months)
Alkali Sacaton	1/2 – 1	1
	1 – 2	3
Bluestem, Big	1/2 – 1	3
Brome, Mountain	1/2 – 1	1
	1 – 2	2
Grama, Blue	1/2 – 2	1
Grama, Sideoats	1/2	2
	>1/2	> 3
Switchgrass	1/2	2
	>1/2	> 3
Wheatgrass, Thickspike	1/2 – 2	1
Wheatgrass, Western	1/2 – 1	2
	1 – 2	3

The specified intervals are for applications made in the spring to early summer. Because Quali-Pro MSM Turf herbicide degradation is slowed by cold or frozen soils, applications made in the late summer or fall should consider the intervals as beginning in the spring

Testing has indicated that there is considerable variation in response among the species of grasses when seeded into areas treated with Quali-Pro MSM Turf herbicide. If species other than those listed above are to be planted into areas treated with Quali-Pro MSM Turf herbicide, a field bloassay should be performed, or previous experience may be used to determine the feasibility of replanting treated sites.

TURF, INDUSTRIAL (UNIMPROVED ONLY)

Application Information
Quali-Pro MSM Turf herbicide may be used for selective weed control in unimproved industrial turf where certain grasses are well established and desired as ground cover. Quali-Pro MSM Turf herbicide may also be used for the control of certain noxious and troublesome weeds in turf.

In addition to conventional spray equipment, Quali-Pro MSM Turf herbicide may also be applied with invert emulsion equipment. When using an invert emulsion mix the prescribed rate of Quali-Pro MSM Turf herbicide in the water phase.

Consult the "Weeds Controlled" table to determine which weeds will be controlled by the following specified rates.

Fescue and Bluegrass

Apply 1/4 to 1/2 ounce of Quali-Pro MSM Turf herbicide per acre.

Crested Wheatgrass and Smooth Brome

Apply 1/4 to 1 ounce of Quali-Pro MSM Turf herbicide per acre

Bermudagrass

Apply 1/4 to 2 ounces of Quali-Pro MSM Turf herbicide per acre.

Application Timing

Applications may be made at any time of the year, except when the soil is frozen. When a spring application is made on fescue or bluegrass, a second application may be made during the summer after full seedhead maturation

Growth Suppression and Seedhead Inhibition (Chemical Mowing)

Application InformationQuali-Pro MSM Turf herbicide may be used for growth suppression and seedhead inhibition in well-established fescue and bluegrass turf at the use rate of 1/4 to 1/2

Tank Mix Combination
Quali-Pro MSM Turf herbicide may be tank mixed with Embark³ for improved performance in the regulation of growth and seedhead suppression. Tank mix 1/4 to 1/2 ounce of Quali-Pro MSM Turf herbicide with 1/8 to 1/4 pint of Embark.

Application TimingApplication may be made after at least 2 to 3 inches of new growth has emerged until the appearance of the seed stalk

Fescue Precautions:

This product may temporarily stunt tall fescue, cause it to turn yellow, or cause seedhead suppression. To minimize these symptoms, take the following precau-

- Do not use more than 4/10 ounce of Quali-Pro MSM Turf herbicide per acre
- Use a tank mix with 2,4-D
- Use the lowest specified rate for the target weeds
- Use a non-ionic surfactant at 1/2 to 1 pint per 100 gallons of spray solution • Make application later in the spring after the new growth is 5 to 6 inches tall, or in
- Do not use a surfactant if liquid nitrogen is used as a carrier • Do not use a spray adjuvant unless it is a non-ionic surfactant

Yields from the first cutting may be reduced.

IMPORTANT PRECAUTIONS—INDUSTRIAL TURF ONLY

- An application of Quali-Pro MSM Turf herbicide may cause temporary discol-oration (chlorosis) of the grasses. Use the lower specified rates for minimum dis-
- With fescue and bluegrass, sequential applications made during the same or con secutive growth periods (i.e., spring and fall) may result in excessive injury to turf.
- Excessive injury may result when Quali-Pro MSM Turf herbicide is applied to turf that is under stress from drought, insects, disease, cold temperatures (winter that is under stress from drought, insects, disease, cold temperatures). injury), or poor fertility
- Quali-Pro MSM Turf herbicide is not for use on bahiagrass.

NATIVE GRASSES

Quali-Pro MSM Turf herbicide may be used for weed control and suppression in the establishment and maintenance of native grasses. It may be used where blue grama, bluestems (big, little, plains, sand, ww spar), bromegrasses (meadow), buffalograss, green sprangletop, Indiangrass, kleingrass, lovegrasses (atherstone, sand, weeping, wilman), orchardgrass, sideoats grama, switchgrass (Blackwell), wheatgrass (bluebunch, intermediate, pubescent siberian, slender, streamband, tall, thickspike, western), and Russian wildrye are established. It may also be applied over these species in the seedling stage, except for orchardgrass and Russian wildrye.

Apply Quali-Pro MSM Turf herbicide at the rate of 1/10 ounce per acre for the control and suppression* of bur buttercup (testiculate), common purslane, common sunflower*, cutleaf eveningprimrose*, flixweed*, lambsquarters* (common and slimleaf), marestail*, pigweed (redroot and tumble), snow speedwell, tansymustard*, and tumble mustard (Jim Hill mustard).

*Suppression is a visual reduction in weed competition (reduced population or vidor) as compared to untreated areas. Degree of suppression will vary with the size of weed and environmental conditions following treatment.

Application Timing

For established grasses, apply when weeds are in the seedling stage. For grasses in the seedling stage, apply preplant or preemergence where the soil (seed bed)

IMPORTANT PRECAUTIONS—NATIVE GRASSES

Grass species or varieties may differ in their response to this herbicide. Consult with your state experiment station, university, extension agent, or other local experts as to nsitivity to this herbicide. If inadequate information is available, limit the initial use of this product to a small area. The types of grass in a grass seed mixture will vary in tolerance to this product, so the grasses in the final stand may not reflect the same ratio as in the seed mix.

Do not apply to grass that is stressed by severe weather conditions, drought, low fertility, water-saturated soils, disease, or insect damage, as grass injury may result. Severe winter stress, drought, disease, or insect damage before or follow ing application also may result in grass injury.

RANGELAND

This product can be used to control broadleaf weeds in forage grasses growing in rangeland. It may also be tank mixed with other pesticides labeled for use on range land. Read and follow the labels on all products used in a tank mix, and observe

This product may be applied to rangeland by air or ground. Use an adequate spray volume to obtain thorough coverage of the target weeds. In Idaho, Oregon, and Washington states, use at least 3 gallons of spray solution per acre.

WHEN ESTABLISHING GRASS IN RANGELAND

Quali-Pro MSM Turf herbicide can be used to control or suppress broadleaf weeds when establishing the following grasses planted in rangeland:

Ü		0 0		
Blue Grama				ats grama
				ckwell
				grasses-
Plains			Blu	iebunch
Sand			Cre	ested
WW spar			Inte	ermediate
Buffalograss			Pu	bescent
Green sprangletop)		Sib	erian
Kleingrass			Sle	ender
Lovegrasses-			Ste	eambank
Atherstone			Tal	I
Sand			Thi	ickspike
Weeping			We	estern
Wilman			Wildar	ass-
Orchardgrass				ssian
	Bluestems- Big Little Plains Sand WW spar Buffalograss Green sprangletop Kleingrass Lovegrasses- Atherstone Sand Weeping Wilman	Bluestems- Big Little Plains Sand WW spar Buffalograss Green sprangletop Kleingrass Lovegrasses- Atherstone Sand Weeping Wilman	Bluestems- Big Little Plains Sand WW spar Buffalograss Green sprangletop Kleingrass Lovegrasses- Atherstone Sand Weeping Wilman	Bluesterms- Switch Big Bla Little Wheat Little Wheat Plains Blu Sand Cr WW spar Int Buffalograss Pu Green sprangletop Sit Kleingrass Sit Lovegrasses- Sit Atherstone Tal Sand Thi Weeping We Wildgr Wildgr

If you need more information or advice, consult with the Natural Resource and Conservation Service, other government agencies, or local experts

Newly planted grasses often cannot compete effectively with weeds; and because of the severity of weed pressure in new grass stands, Quali-Pro MSM Turf herbicide alone may not provide satisfactory results. An additional herbicide application or mowing may

Establishing Grass in Rangeland:

Prior to Planting (Preplant) or After Planting but Prior to Grass Emergence

Do not use more than 1/10 ounce Quali-Pro MSM Turf herbicide per acre when establishing grass in rangeland.

Use 1/10 ounce/acre preplant on all labeled grasses except orchardgrass and

Do not apply preplant or preemergence to orchardgrass or Russian wildrye grass,

Early Postemergence to New Plantings

Use 1/10 ounce/acre plus a non-ionic surfactant (at 2 to 4 pints/100 gallons of spray solution) on all labeled grasses anytime after grass emergenc

Do not use a spray adjuvant other than a non-ionic surfactant. Grass species wil differ in time of emergence, so apply only after a majority of grasses are in the 3- to

Postemergence to Stands with 1 to 5 Leaf Grasses Planted the Previous

Apply at 1/10 ounce per 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 a non-

APPLICATION TO ESTABLISHED GRASSES IN RANGELAND

Rates

Use up to 1 ounce Quali-Pro MSM Turf herbicide per acre as a broadcast spray when applying to established grasses in rangeland. For Spot Applications, use 1 ounce per 100 gallons of water. Do not apply more than 1 2/3 ounces per acre per

Refer to "Weeds Controlled" for a listing of weeds controlled and appropriate rates

Apply to established native grasses such as bluestems and grama and on other established grasses such as bermudagrass, bluegrass, bromegrass, fescue orchardgrass, and timothy that were planted during the previous growing season or earlier and are fully tillered unless otherwise directed on this label. Timing information for application to several of these grass species are as follows

Grass	Minimum Time from Grass Establishment to Application
Bermudagrass	2 months
Bluegrass, Bromegrass, Orchardgrass	6 months
Timothy	12 months
Fescue	24 months

Precautions:

Tall fescue that has been treated with this product may experience temporary stunting, yellowing, or seedhead suppression. To minimize these effects, observe the

- Do not use more than 4/10 ounce/acre
- Use a tank mix with 2,4-D Use the lowest specified rate for the target weeds
- Use a non-ionic surfactant at 1/2 to 1 pint per 100 gallons of spray solution Make application later in the spring after the new growth is 5 to 6 inches tall, or apply in the fall
- Do not use a surfactant if liquid nitrogen is used as a carrier
- Do not use a spray adjuvant unless it is a non-ionic surfactant

Yields from the first cutting may be reduced

Do not apply unless timothy is at least 6 inches tall and actively growing, or crop vellowing and/or stunting may occur. To minimize these effects, observe the follow

- Do not use more than 4/10 ounce/acre
- Use a tank mix with 2.4-D
- Use the lowest specified rate for the target weeds
- Use a non-ionic surfactant at 1/2 to 1 pint per 100 gallons of spray solution
- Make applications in the late summer or fall
- Do not use a surfactant if liquid nitrogen is used as a carrier
 Do not use a spray adjuvant unless it is a non-ionic surfactant

Application to Pensacola bahiagrass, ryegrass (Italian or perennial), and Garrison's creeping foxtail may cause severe injury to and/or loss of forage

Forage grasses differ in their tolerance to this product. When treating a particular grass with Quali-Pro MSM Turf herbicide for the first time, use only on a small area. Larger areas may be treated the next season if no injury occurs.

Broadleaf forages such as alfalfa and clover will be severely stunted or damaged by treatment with Quali-Pro MSM Turf herbicide.

CROP ROTATION CONSIDERATIONS

To maintain flexibility in crop rotation plans, do not treat your entire pasture, rangeland, or CRP acreage with this product at the same time

Rotation Intervals

Minimum crop rotation intervals depend on breakdown rates of this product in the soil of treated areas. A number of conditions affect the breakdown rate including soil moisture, soil temperature, soil pH, and soil microorganisms present. The rate of breakdown is faster in soils with low pH, high soil temperature, and high soil moisture and is slower in soils with high pH, low soil temperature, and low soil mois ture. While soil pH remains relatively constant, soil temperature and soil moisture can vary from time to time and area to area, and these conditions should be monitored when making crop rotation decisions

The minimum crop rotation interval from the last application of this product until the next planting date are shown below

. ,		Maximum	Minimum Rotation
Location	Crop/Grass	Rate Used (oz/a)	
AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX, VA, WV	Alfalfa, red clover, white clover, sweet clover, bermudagrass, bluegrass, ryegrass, tall fescue	1/10 to 3/10	4
	Wheat (except durum)	1/10 to 3/10	1
	Durum, barley, oats	1/10 to 3/10	10
All Other States	Red clover, white clover, sweet clover	1/10 to 2/10	12
	Bermudagrass, bluegrass ryegrass	, 1/10 to 2/10	6
	Tall fescue Wheat (except durum)	1/10 to 2/10 1/10 to 2/10	18 1
All Areas With Soil pH of 7.5	Durum, barley, oats Russian wildrye	1/10 to 2/10 1/10 to 1/2	10 1
Or Less	Green needlegrass, switchgrass, sheep fescue	1/10 to 1	1
	Meadow brome, smooth brome, alta fescue, red fescue, meadow foxtail, orchardgrass, Russian wildrye, timothy	1/10 to 1	2
All Areas With Soil pH of 7.9 Or Less	Alkali sacaton, mountain brome, blue grass, thickspike wheatgrass	1/10 to 1	1
	Sideoats grama, switchgrass	1/10 to 1/2	2
	Western wheatgrass Sideoats grama, Switchgrass, big bluestem	1/10 to 1 1/10 to 1	2

Important Soil pH Limitations

This product should not be used on soils with a pH above 7.9 because soil residues. injuring wheat, barley, and other crops.

Before using, check soil pH by taking several soil samples at a depth of 0 to 4 inches from representative areas of the field. Analyze the samples separately for pH value. If needed, obtain additional information on soil-sampling procedures from your local extension service or local experts.

BIOASSAY PROCEDURES

Conduct a field bioassay on treated soils before planting a rotated crop or grass species not listed in the Rotation Interval table above, or if the soil pH is above 7.9, or if use rates other than those listed in the Rotation Interval table above were used. Plant test strips of the crops or grasses that you plan to grow the following year in treated fields and observe crop response. Do not plant until the test strips demonstrated the contract of the crops of the crop strate that the crop response is acceptable. Consult local experts for further infor-

GRAZING AND HAYING RESTRICTIONS:

NONE. However, coveralls and shoes plus socks must be worn if cutting within 4

RANGELAND PRECAUTIONS:

- Do not apply more than 1 2/3 ounces per acre per year.
 Limit the initial use of this product to small areas unless local response to this her bicide by the grass species or variety is known.
- Grass seed mixtures will vary in tolerance to this product, so final stands may not reflect the same ratio as in the seed mix
- Do not apply to grass that is stressed by severe weather conditions, drought, low fertility, disease, insect damage, or water-saturated soils, as injury is likely. Stress by these factors following application may also cause injury.
- This product may injure legumes that are undersown in rangeland or are found in
- When applying by ground to dry, dusty fields, control in the wheel-track areas may be

reduced. Tank mixtures with 2.4-D or MCPA often improve weed control in such sit-

 Do not apply this product in California or in the following counties in Colorado: osa, Conejos, Costilla, Rio Grande, and Saguach

BRUSH CONTROL

Application Information

Quali-Pro MSM Turf herbicide may be used for the control of undesirable brush growing in non-crop areas. 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, Quali-Pro MSM Turf herbicide should 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, aerial application will require 15 to 25 gallons of water per acre; 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

Regardless of the application volume and equipment used, thorough coverage of the foliage is necessary to optimize results.

High Volume

Broadcast

BRUSH SPECIES CONTROLLED

	g ro.ao	Diodaodot
	Quali-Pro MSM Turf	Quali-Pro MSM Turf
	Herbicide Rate	Herbicide Rate
Species	oz/100 gal	oz/a
Ash	1-2	1-3
Aspen	1-2	1-3
Black locust	1-2	1-3
Blackberry	1-2	1-3
Camelthorn	1-2	1-3
Cherry	1-2	1-3
Cottonwood	1-2	2-3
Eastern red cedar	1-2	2-3
Elder	1-2	2-3
Elm	1-2	1-3
Firs	3	1-2
Hawthorn	1-2	1-3
Honeysuckle	1-2	1/2-1
Mulberry	1-2	2-3
Multiflora rose	1-2	1-3
Muscadine (wild grape)	1-2	2-3
Oaks	1-2	1-3
Ocean spray (Holodiscus)	1-2	2-3
Osage orange	1-2	2-3
Red maple	1-2	2-3
Salmonberry	1/2-1	1-3
Snowberry	1/2-1	1-3
Spruce (black and white)	3	2-3
Thimbleberry	1/2-1	1-3
Tree of Heaven (Ailanthus)	1-2	1-2
Tulip tree	1/2-1	1-3
Wild roses	1/2-1	1-3
Willow	1/2-1	1-3

For low volume and ultra-low volume ground applications, mix 4 to 8 ounces of Quali-Pro MSM Turf herbicide per 100 gallons of spray solution

Application Timing

Make a foliar application of the specified rate of Quali-Pro MSM Turf 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.

Tank Mix Combinations

After consulting the "Brush Species Controlled" table, tank mix the prescribed rate of Quali-Pro MSM Turf herbicide with the rate of Accord indicated for the various application methods on the Accord label. Refer to the Accord label for list of species controlled.

Arsenal¹ Herbicide

Herbicide per acre and apply as a broadcast spray. Aerial application should use a minimum of 15 gallons per acre spray volume. In addition to species listed above controlled by Quali-Pro MSM Turf herbicide, this combination controls black gum, hophornbeam, sassafras, sweetgum, Vaccinium species, dogwood, myrtle dahoon, Garlon⁴ 3A or Garlon 4 (or generic equivalents)
After consulting the "Brush Species Controlled" table, tank mix the prescribed rate

of Quali-Pro MSM Turf herbicide with the rate of Garlon indicated for the various

Combine 1 to 2 ounces of Quali-Pro MSM Turf herbicide with 1 to 4 pints of Arsenal

application methods on the Garlon label. Refer to the Garlon label for list of species

After consulting the "Brush Species Controlled" table, tank mix the prescribed rate of Quali-Pro MSM Turf herbicide with the rate of KRENITE S indicated for the various application methods on the KRENITE S label. Refer to the KRENITE S label for list of species controlled

After consulting the "Brush Species Controlled" table, tank mix the prescribed rate of Quali-Pro MSM Turf herbicide with the rate of Tordon K indicated for the various application methods on the Tordon K label. Refer to the Tordon K label for list of Tordon K*+ Arsenal' Herbicide
Combine 1 to 1 1/2 ounce of Quali-Pro MSM Turf herbicide with 2 to 8 fluid ounces

of Arsenal and 1 to 2 pints of Tordon K per 100 gallons of water. Apply as a high volume spray. The tank mix controls cherry, elms, box elder, maples, hackberry, redbud, ash, oaks (including shingle oak), black locust, and sassafras.

*Tordon K is a restricted use pesticide. Spotgun Basal Soil Treatment

For control of multiflora rose, prepare a spray suspension of Quali-Pro MSM Turf nerbicide by mixing 1 ounce per gallon of water. Mix vigorously until the Quali-Pro MSM Turf herbicide is dispersed and agitate periodically while applying the spray suspension. Apply the spray preparation with an exact delivery handgun applica-tor. 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. Applications should be made from early spring to summer.

IMPORTANT PRECAUTIONS—NON-CROP BRUSH ONLY When using tank mixtures of Quali-Pro MSM Turf herbicide with companion herbi-

cides, read and follow all use instructions, application rates, warnings, and precau tions appearing on the labels. Follow the most restrictive label instruction for each of the herbicides used. SPRAY EQUIPMENT

Following a Quali-Pro MSM Turf herbicide application, do not use the sprayer or mixing equipment for application to agricultural crops, except that it may be used to treat pasture, range, and wheat. This is extremely important, as low rates of Quali-Pro MSM Turf herbicide can kill or severely injure most agricultural crops. The selected sprayer should be equipped with an agitation system to keep Quali-Pro MSM Turf herbicide suspended in the spray tank. Use a sufficient volume of water to thoroughly cover the foliage of undesirable weeds, generally 10 to 40 gallons per acre. Select a spray volume and delivery system that will deliver a uniform spray pattern. Be sure the sprayer is calibrated before use. Avoid overlapping and shut off spray booms while starting, turning, slowing, or stopping to avoid injury to

Refer to the brush control section of this label for information unique to that partic-

MIXING INSTRUCTIONS

- Fill the tank 1/4 to 1/3 full of water.
 While agitating, add the required amount of Quali-Pro MSM Turf herbicide. 3. Continue agitation until the Quali-Pro MSM Turf herbicide is fully dispersed, at
- 4. Once the Quali-Pro MSM Turf herbicide is fully dispersed, maintain agitation and continue filling tank with water. Quali-Pro MSM Turf herbicide should be thoroughly mixed with water before adding any other material.
- 5. As the tank is filling, add tank mix partners (if desired); then add the necessary lume of non-ionic surfactant. Always add surfactant last 6. If the mixture is not continuously agitated, settling will occur. If settling occurs thoroughly re-agitate before using.

 7. Metsulfuron Methyl spray preparations are stable if they are pH neutral or alka-
- line and stored at or below 100°F. If Quali-Pro MSM Turf herbicide and a tank mix partner are to be applied in mul-tiple loads, pre-slurry the Quali-Pro MSM Turf herbicide in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of the Quali-Pro MSM Turf herbicide.

Spray equipment must be cleaned before Quali-Pro MSM Turf 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 Quali-Pro MSM Turf herbicide are applied, at the end of each day of spraying, the interior of the tank should 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 equip 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 gals. 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
- 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) specified 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 other specified cleaners can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your agricultural dealer, applicator, or extens agent for a listing of approved cleaners.

• 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
- required cleanout procedures should be examined, and the most rigorous procedure should be followed.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizers, seeds, or other pesticides. Do not contaminate water, food, or feed by

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

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by burn ing, if allowed by State and local authorities. If burned, stay out of smok

LIMITATION OF WARRANTY AND LIABILITY

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

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.

of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that

extend beyond the statements made on this label. No agent of Makhteshim Agan

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 Makhteshim Agan of North America, Inc.'s election, the replacement of

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- to facilitate the removal of any caked deposits.

 When Quali-Pro MSM Turf herbicide is tank mixed with other pesticides, all
- In addition to this cleanout procedure, all pre-cleanout guidelines on subsequently applied products should be followed as per the individual labels.

CONTAINER HANDLING:

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incinera-tion, or by burning, if allowed by State and local authorities. If burned, stay out

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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence

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