

PLOTTER™

[Selective] Herbicide

WETTABLE GRANULES

FOR SALE FOR POSTEMERGENCE USE ON WHEAT (SPRING AND DURUM), BARLEY AND ESTABLISHED CREEPING RED FESCUE, ORCHARD GRASS, CRESTED AND INTERMEDIATE WHEAT GRASS (SEED OR FORAGE), TIMOTHY (SEED OR FORAGE), AND FOR CONTROL OF WESTERN SNOWBERRY AND WILD ROSE IN PASTURE AND RANGELAND IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) (SOIL PH 7.9 OR LOWER) ONLY

COMMERCIAL

READ THE LABEL AND THE ATTACHED BOOKLET BEFORE USING

ACTIVE INGREDIENT: Metsulfuron Methyl 60%

Warning, contains the allergen sulfites.

REGISTRATION NO. 34619 PEST CONTROL PRODUCTS ACT

CAUTION: EYE IRRITANT
KEEP OUT OF THE REACH OF CHILDREN

NET CONTENTS: 25 - 380 g

ALBAUGH, LLC
1525 NE 36th Street
Ankeny IA 50021
United States
1-800-247-8013

For medical or treatment information from exposure to this product, call 1-888-347-6732
(7 days/week, 24-hr).

For 24-hour chemical spill, leak, fire, exposure, or accident response information, call CHEMTREC toll
free at 1-800-424-9300.

AD030124

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- May irritate eyes. Avoid contact with eyes.
- Do not contaminate any body of water.
- Wear long-sleeved coveralls and gloves when handling the concentrated material.
- Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair (gloves are not required for ground boom sprayers).

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Runoff:

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF SWALLOWED:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE:

Store this product away from food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer and the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Runoff:

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Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following: Do not apply, 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. Do not use on lawns, walks, driveways, tennis courts or similar areas. Prevent drift of spray to desirable plants. Keep from contact with other pesticides, fertilizers, and seeds.

DO NOT apply by air.

Make only one application of PLOTTER per year.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than wheat, barley or creeping red fescue.

APPLY PLOTTER WITH RECOMMENDED SURFACTANT.

PRIOR TO USE REFER TO "MINIMUM CROP ROTATION GUIDELINES" SECTION OF LABEL.

GENERAL INFORMATION

PLOTTER is recommended for post-emergence use on wheat (spring and durum), barley and established creeping red fescue, orchard grass, crested and intermediate wheat grass (seed or forage) in the Prairie Provinces and interior of British Columbia (including the Peace River Region) (soil pH of 7.9 or lower). In addition, PLOTTER is recommended for use on pasture and rangeland in the same geographic region (no soil pH restriction). PLOTTER is a 60% active ingredient herbicide formulated as a dry flowable granule.

PLOTTER is to be mixed in water with a recommended surfactant and applied as a uniform broadcast spray. Use for selective control or suppression of certain broadleaf weeds in spring wheat (including durum), barley and established creeping red fescue (seed or forage) and for control of western snowberry and wild rose in pasture and rangeland. It is noncorrosive, nonflammable, nonvolatile and does not freeze. Wheat, barley or creeping red fescue may be grazed by or fed to livestock anytime after treatment.

Prior to using PLOTTER, careful consideration should be given to crop rotation plans. Crops other than those listed in the "Minimum Crop Rotation Guidelines" section can be very sensitive to low concentrations of PLOTTER in the soil. Refer to the "Minimum Crop Rotation Guidelines" section of this label to plan your PLOTTER use and crop rotations.

Rainfall, soil temperature and soil pH are important factors affecting PLOTTER breakdown in the soil. PLOTTER breakdown is more rapid under conditions of moist soil, warm soil temperatures and low soil pH. The breakdown process is slower under conditions of dry soil, cool soil temperatures and high soil pH.

PLOTTER must be applied with a recommended surfactant early postemergence to the main flush of actively growing broadleaf weeds. For pasture and rangeland applications, PLOTTER should be applied between mid-June and mid-August after the target species have leafed out, but before fall colouration begins. Cattle may graze the treated areas on the day of treatment. Warm, moist growing conditions promote active weed growth and enhance the activity of PLOTTER by allowing maximum foliar uptake and contact activity. If cold, dry conditions prevail, delay treatment until active weed growth resumes. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and regrowth may occur. PLOTTER may only be applied with ground spray equipment. For best results, ensure good spray coverage of target weeds.

PLOTTER rapidly inhibits the growth of susceptible weeds, however, typical symptoms (discoloration) of dying weeds may not be noticeable for 1 to 3 weeks after application depending upon growing conditions and weed susceptibility. Degree of control and duration of effect depend on weed sensitivity, weed size, growing conditions, soil pH and spray coverage.

SURFACTANTS FOR USE WITH PLOTTER:

Ag-Surf, Agral 90, Companion, Citowett Plus, and Super Spreader Sticker are registered for use with PLOTTER, PLOTTER + 2,4-D, and PLOTTER + MCPA. Not all tank mixes require the use of an adjuvant. Use the surfactant at the rate of 2 L per 1000 L spray solution (0.2% v/v). See section MIXING INSTRUCTIONS.

TANK MIXES

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Albaugh LLC at 1-800-247-8013 for information before applying any tank mix that is not specifically recommended on this label.

CROP LEAF STAGING – WHEAT, BARLEY AND CREEPING RED FESCUE

Apply PLOTTER or PLOTTER tank mixtures to wheat, barley, or creeping red fescue when the crop is between the stages listed in the table below.

Post-Emergent Treatment	Crop Leaf Staging	Crop
PLOTTER	2-leaf to flag leaf (shot blade)	Wheat, barley, Creeping red fescue
PLOTTER + 2,4-D Herbicide (amine or ester)	Full 3-leaf to just before flag leaf	Wheat, barley
PLOTTER + MCPA Herbicide (amine or ester)	Full 3-leaf to just before flag leaf	Wheat, barley

HOW TO APPLY TO WHEAT (SPRING OR DURUM), BARLEY OR ESTABLISHED CREEPING RED FESCUE (SEED OR FORAGE)

Apply PLOTTER or PLOTTER tank mixtures to the first main flush of actively growing weeds, when the crop is in the leaf stage specified in the section CROP STAGE. Apply before the crop canopy is dense enough to prevent thorough coverage of the weeds. Apply with ground equipment only. For further information on control of Canada thistle, Sow thistle, Russian thistle, Lamb's-quarters or Wild buckwheat, refer to the section SPECIFIC WEED CONTROL RECOMMENDATIONS.

DO NOT apply by air.

RATES TO APPLY:

PLOTTER 7.5 g/ha (plus surfactant)

PLOTTER + 2,4-D (use one of the following, plus surfactant)

PLOTTER 5.0 OR 7.5 g/ha + 2,4-D Amine 500 0.84 - 1.1 L/ha

PLOTTER 5.0 OR 7.5 g/ha + 2,4-D Ester LV700 0.6 - 0.8 L/ha

PLOTTER 5.0 OR 7.5 g/ha + 2,4-D Ester LV600 0.7 - 0.9 L/ha

PLOTTER 5.0 OR 7.5 g/ha + 2,4-D acid equivalent (420-560 grams/ha)

Refer to the 2,4-D label for information on crop variety restrictions, precautions, and application information.

PLOTTER + MCPA (use one of the following, plus surfactant)

PLOTTER 5.0 OR 7.5 g/ha + MCPA Amine 500 0.7 - 1.1 L/ha

PLOTTER 5.0 OR 7.5 g/ha + MCPA Ester 500 0.7 - 1.1 L/ha

WEEDS CONTROLLED OR SUPPRESSED*

*Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

PLOTTER 7.5 Grams/ha + Surfactant

Ball mustard	Prostrate pigweed
Redroot pigweed	Blue bur
Canada thistle*	Russian thistle*
Chickweed	Scentless chamomile
Shepherd's-purse	Common groundsel
Sow thistle (annual; perennial)*	Corn spurry
Stinkweed	Cow cockle
Stork's-bill	Flixweed
Tartary buckwheat	Green smartweed
Toadflax*	Hemp-nettle
Volunteer rapeseed**	Kochia
Wild buckwheat*	Lady's-thumb
Wild mustard	Lamb's-quarters*

** Volunteer rapeseed: PLOTTER alone will not control imazethapyr tolerant canola varieties, e.g. canola varieties with the Pursuit Smart* trait.

PLOTTER 5 Grams/ha + 2,4-D (amine or ester) + Surfactant

Annual sunflower	Prickly lettuce
Ball mustard	Redroot pigweed
Canada thistle*	Russian pigweed
Chickweed	Russian thistle
Cow cockle	Shepherd's-purse
Flixweed	Sow thistle*
Green smartweed	Stinkweed
Hemp-nettle	Sweet clover
Kochia	Toadflax*
Lamb's-quarters	Volunteer rapeseed**
Narrow-leaved hawkbeard (spring seedlings)	Wild buckwheat*
Plantain	Wild mustard
	Wormseed mustard

** Including imazethapyr tolerant canola varieties, e.g. canola varieties with the Pursuit Smart* trait. Consult the 2,4-D label for appropriate use rates.

PLOTTER 7.5 Grams/ha + 2,4-D (amine or ester) + Surfactant

All of the weeds controlled or suppressed by PLOTTER 5 Grams/ha + 2,4-D plus:

Bluebur	Prostrate pigweed	Stork's-bill
Common groundsel	Corn spurry	Scentless chamomile
Lady's-thumb	Toadflax*	Tartary buckwheat

PLOTTER 5.0 Grams/ha + MCPA (amine or ester) + Surfactant

Annual sunflower	Kochia*	Ball mustard	Stinkweed	Lamb's quarters	Canada thistle*
Chickweed	Prickly lettuce	Cow cockle	Sow thistle	Redroot pigweed	Toadflax*
Flixweed	Green smartweed	Hemp-nettle	Shepherd's purse	Tumble mustard	Plantain
Wormseed mustard	Volunteer rapeseed**	Wild mustard	Wild buckwheat*	Sweet clover	Russian thistle
Russian pigweed					

** Including imazethapyr tolerant canola varieties, e.g. canola varieties with the Pursuit Smart trait. Use the highest rate of MCPA (1.1 litre/ha) when volunteer imazethapyr tolerant canola is the target weed.

PLOTTER 7.5 Grams/ha + MCPA (amine or ester) + Surfactant

All of the weeds controlled by PLOTTER 5.0 Grams/ha + MCPA, plus:

Bluebur	Common groundsel
Corn spurry	Lady's thumb
Prostrate pigweed	Scentless chamomile
Stork's-bill	Tartary buckwheat
Toadflax*	

SPECIFIC WEED RECOMMENDATIONS:

Weeds must be actively growing at time of application or control may be reduced. Application should be made before the crop canopy prevents thorough coverage of the weeds.

Canada Thistle, Sow Thistle - Apply when the majority of thistles have emerged. PLOTTER + surfactant should be applied before the thistles are more than 15 cm tall. PLOTTER + 2,4-D or PLOTTER + MCPA + surfactant may be applied up to the bud stage of the thistles. Thistles that emerge after application will not be controlled. A single application will prevent emerged thistles from competing with the crop.

Wild Buckwheat - Apply PLOTTER + surfactant at the cotyledon to 3-leaf stage. PLOTTER + 2,4-D or PLOTTER + MCPA + surfactant should be applied at the 1-3 leaf stage. Under dry conditions, control may be reduced. Large weeds may regrow after treatment.

Lamb's-Quarters, Russian Thistle - Apply PLOTTER + surfactant before these weeds are more than 8 cm tall.

PASTURE & RANGELAND:

For control of western snowberry and wild rose in the Prairie Provinces and British Columbia.

For control of Western Snowberry apply 25 grams of PLOTTER per hectare.

For control of Wild Rose apply 30 grams of PLOTTER per hectare.

Add a recommended surfactant at 0.2% v/v (2.0 litres per 1000 litres spray solution).

Apply as a ground application only in 100 - 225 litres spray volume per hectare. Apply as a full coverage spray to foliage and stems using equipment that will assure uniform coverage.

GROUND APPLICATIONS:

Low Volume Foliar Broadcast

Apply to brush species as full coverage spray to foliage and stems in 100-500 litres spray volume per hectare, using properly calibrated equipment that will ensure uniform coverage. Direct the spray solution to thoroughly wet the foliage of the target plants, but not to the point of runoff.

High Volume Foliar Broadcast

For control of brush/woody plants up to 2.5 metres in height, use PLOTTER at rates of 100 to 150 grams per hectare in enough water to make 1000 litres of spray solution. Apply as a full coverage spray to foliage, stems and limbs using up to 2000 litres of total spray per hectare depending on plant species, height and density of growth, and on the type of spray equipment used. Do not apply more than 150 grams of PLOTTER per hectare.

Spray brush to the point of runoff. Coverage should be thorough to wet all foliage. To minimize spray drift, do not use pressures exceeding 1400 kPa at the spray nozzle. Use of a drift control system is suggested to minimize spray drift.

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Albaugh LLC under the User Requested Minor Use Label Expansion program. For these uses, Albaugh LLC has not fully assessed performance (efficacy) and/or crop tolerance

(phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

FORAGE GRASSES FOR FEED OR SEED PRODUCTION:

For postemergent application to creeping red fescue, orchard grass, crested and intermediate wheat grass. These forage grasses should be established for a minimum of one year before applying PLOTTER. Optimum control of narrow-leaved hawk's beard and scentless chamomile is obtained if application is made to small, actively growing weeds.

Apply PLOTTER as a broadcast application at 7.5 g/ha post-emergent. Application should be made from the 2-leaf, up to the shot blade stage of the crop, and before canopy closure to permit thorough coverage of actively growing weeds.

Make only one application per growing season. Application should be made using ground equipment only.

Rotation options are determined by soil pH, the crop to be planted and a minimum interval. Refer to the recropping recommendation section as well as other application instructions.

TIMOTHY FOR FORAGE OR SEED PRODUCTION: For fall application to postemergent timothy which has been established for at least one growing season.

Applications should be made from early September until late fall, prior to soil freeze-up.

Apply PLOTTER as a broadcast application at 7.5 g/ha post-emergent with a non-ionic surfactant at 0.2% v/v. Use a minimum of 100 L/ha spray volume. Application should be made after a cut has been removed to expose weed seedlings. Thorough coverage of actively growing weeds is essential for consistent control.

WEEDS CONTROLLED

PLOTTER 7.5 grams/ha + surfactant:

Alsike Clover
Dandelion
Flixweed
Narrow leaved hawk's beard
Scentless chamomile

Applications of PLOTTER to timothy may cause crop yellowing and/or stunting. However, forage or seed yield should not be affected.

Make only one application per growing season. Application should be made using ground equipment only.

ESTABLISHED CREEPING RED FESCUE FOR SEED:

For postemergent broadleaf and grassy weed control, apply the following tankmix:

PLOTTER + ASSURE II Herbicide + Adjuvant:

PLOTTER	7.5 grams/hectare
plus	
ASSURE II Herbicide	0.5 – 0.75 litres/hectare
plus	
SURE-MIX	5 litres per 1000 litres spray solution

This tank mix will control all label weeds listed on the respective PLOTTER and ASSURE II Herbicide labels.

Apply PLOTTER + ASSURE II Herbicide tank mixture postemergent to the first main flush of actively growing weeds, when established creeping red fescue is in the 2-leaf to flag leaf (shot blade) stage. Apply before the crop canopy is dense enough to prevent thorough coverage of the weeds.

Apply with ground equipment only. Make only one application per growing season.

Refer to other sections of this label for additional application and/or use precaution instructions.

Do not re-enter treated fields until 12 hours after application.

Apply only when the potential for drift to areas of human habitation and areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Field sprayer application:

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty.

DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification for application to crops.

DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse for application to pasture and rangeland.

Boom height must be 60 cm or less above the crop or ground.

Spray Buffer zones:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrub lands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Application Rate (and use)	Spray Buffer Zones (in metres) Required for the Protection of:		
	Freshwater Habitat of Depths:		Terrestrial Habitat
	0.8 m	> 1 m	
4.5 g a.i./ha (crops)	1	0	15
12 g a.i./ha (pasture and rangeland)	1	1	10
15 g a.i./ha (pasture and rangeland)	1	1	10
18 g a.i./ha (pasture and rangeland)	1	1	10

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

MIXING INSTRUCTIONS:

1. Half fill the spray tank with clean water. Prepare mixture volume to apply a minimum of 100 litres spray volume per hectare.
2. With the agitator running, add the required amount of PLOTTER.
3. Continue to agitate until PLOTTER is completely dispersed.
4. If another herbicide is to be added, do this now.
5. Add the rest of the required water.
6. If required in the mixture, add the surfactant now.
7. On repeat tank loads, draw down the tank contents to less than 10% of the original volume, and repeat from step 1. If more than 10% of the spray volume remains, pre-slurry the PLOTTER in a bucket of water before adding to the spray tank.
8. If an antifoam agent is required, add it last.

NOTE:

Continuous agitation is required to keep PLOTTER in suspension in the spray tank for a uniform application.

Use spray preparation of PLOTTER within 48 hours or product degradation may occur. If spray preparation is left standing without agitation, thoroughly agitate before spraying.

The PLOTTER volumetric measuring cylinder is to be used only as a guide. For precise measurement use scales calibrated in grams.

APPLICATION INSTRUCTIONS:

Apply the spray mixture with ground equipment only, using a minimum of 100 litres spray volume per hectare. Use a properly calibrated sprayer that will ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended. Use 50-mesh screens or larger.

Continuous agitation is required to keep PLOTTER in suspension. Avoid overlapping, and shut off spray booms while starting, turning, slowing or stopping to prevent over-application.

NOTE:

Extreme care must be taken to prevent drift to desirable plants or non-target agricultural land.

SPRAYER CLEANUP:

Immediately after spraying, thoroughly remove all traces of PLOTTER from mixing and spray equipment in order to avoid subsequent injury to sensitive crops (other than wheat or barley or creeping red fescue). Follow these instructions:

1. Drain tank and flush tank, boom and hoses with clean water for a minimum of ten minutes. Visually inspect tank to assure removal of all visible residues of PLOTTER. If necessary, repeat step.
DO NOT CLEAN SPRAYER NEAR WELL OR WATER SOURCE OR NEAR TO DESIRABLE VEGETATION.
2. Fill tank with clean water while adding 1 litre household ammonia (containing a minimum 3% ammonia) per 100 litres of water. Flush solution through boom and hoses, and then add more

water to completely fill tank. Allow to sit for 15 minutes with agitation. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.

3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat Step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

CAUTION:

Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

MINIMUM CROP ROTATION GUIDELINES:

Rotation options are determined by Soil pH, the crop to be planted and a minimum interval. Minimum interval is the time from the last application of PLOTTER to date of planting the rotational crop.

BLACK AND GREY WOODDED SOILS - INTERVAL PRIOR TO PLANTING (MONTHS AFTER APPLICATION):									
SOIL-pH	SW	DW	BR	OT	RS	FL	LN	CS	YM
6.9 OR LOWER	10	10	10	10	10	10	34	48	48
7.0 TO 7.9	10	10	10	10	22	34	48	48	48

SW=spring wheat; DW=durum wheat; BR=barley; OT=oats; RS=rapeseed; FL=flax; LN=lentils; CS=canary seed; YM=yellow mustard.

On black and grey wooded soils of pH 7.5 or lower, FESCUE may be planted in 10 months; ALFALFA, RED CLOVER, PEAS, and FLAX 22 months following application of PLOTTER.

Do not use on soils with pH greater than 7.9.

All other crops FIELD BIOASSAY*

BROWN AND DARK BROWN SOILS - INTERVAL PRIOR TO PLANTING (MONTHS AFTER APPLICATION):									
SOIL-pH	SW	DW	BR	OT	RS	FL	LN	CS	YM
6.9 OR LOWER	10	10	10	10	22	22	34	48	48
7.0 TO 7.9	10	10	10	22	34	34	48	48	48

SW=spring wheat; DW=durum wheat; BR=barley; OT=oats; RS=rapeseed; FL=flax; LN=lentils; CS=canary seed; YM=yellow mustard.

Do not use on Soils with pH greater than 7.9.

All other crops FIELD BIOASSAY*

*IMPORTANT - Land previously treated with PLOTTER cannot be rotated to crops other than those listed until a FIELD BIOASSAY confirms that residues of PLOTTER are not present. A FIELD BIOASSAY involves growing test strips of the crop(s) intended for production the following year in fields previously treated with PLOTTER. Crop response will indicate whether or not to rotate to the crop(s) used in the test

strip. See "Field Bioassay" section. A successful bioassay would be anticipated in the 3rd or 4th Season after application (soil pH 7.0-7.9) dependent on the rotational crop selected. Failure to follow these instructions could result in injury to subsequent crops.

NOTE:

Wherever PLOTTER is used on land previously treated with GLEAN Herbicide, read the rotational guidelines on both labels and follow the one with the longest interval stated for your situation.

NOTE:

When considering interval prior to recropping broadleaf crops after a PLOTTER application, extend the rotational interval one year if rainfall was less than 130 mm in the Brown & Dark brown Soil Zones or 250 mm in the Black and Grey Wooded Soil Zones in any year within a stated interval prior to planting.

FIELD BIOASSAY:

Select a representative area or areas of the field previously treated with PLOTTER to plant your bioassay crop(s). Be sure to consider factors such as size of field, soil texture, drainage and turn-around areas when selecting the site(s) that are most representative of the soil conditions in the field. On large fields, more than one site may be needed in order to obtain reliable results.

Plant the test strips perpendicular to the direction in which the field was sprayed. The strips should be long enough to cross the width of several spray swaths. Large test strip areas are more reliable than small ones.

Use standard tillage and seeding equipment to plant the bioassay.

Prepare a seed bed and plant the crops and varieties you want the option of growing the following year. It is important to use the same planting time, conditions, techniques and cultural practices you normally use to plant and grow the bioassay crop(s). Also plant into an adjacent area not treated with PLOTTER to use as a comparison.

As the crop(s) emerges and grows, examine these key points in treated and non-treated areas:

crop stand	plant colour and vigour	rate of growth
root development	yield	

Allow the bioassay crop(s) to grow to maturity while making your observations.

Do not overspray the test strips with herbicides that may damage the bioassay crop(s).

If the bioassay indicates that PLOTTER residues are still present, continue cropping only to those crops listed on the label, and do not rotate to other crops until bioassay results indicate that susceptible crops are growing normally.

USE PRECAUTIONS:

- Do not use on soils above pH 7.9.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls, or calcium deposits.
- Do not use more than 7.5 grams per hectare per year.
- Do not apply PLOTTER during periods of intense rainfall or to soils saturated with water. Do not apply directly to standing or running water. Do not apply in areas where surface water from the treatment site can run off to adjacent cropland, or into streams, irrigation water or wells.

- Do not apply to irrigated land where tail water will be used to irrigate other crop land.
- Do not contaminate irrigation water.
- Do not mix load or apply within a minimum of 15 meters of all wells, including abandoned wells and drainage wells.
- Do not apply to frozen ground where surface runoff may occur.
- Applications should only be made when there is no hazard of spray drift contaminating non-target land areas since very small quantities of the PLOTTER spray solution may severely injure susceptible crops or other non-target plants.
- Because crop varieties differ in their tolerance to herbicides, limit first use of PLOTTER to a small area of each variety prior to adoption as a field practice.
- Do not apply PLOTTER to a crop that is stressed by severe weather conditions, drought, low fertility, water saturated soil, disease or insect damage as crop injury may result. Drought, disease or insect damage following application also may result in crop injury.
- Under certain conditions (such as heavy rainfall, prolonged cool weather, frost conditions, wide fluctuations in day/night temperatures) temporary lightening in crop colour and occasionally a slight reduction in crop height may occur.
- Do not apply to a crop undersown with legumes or grasses as injury to the forage may result.
- Do not remove soil from treated fields for use on lawns, in gardens or for backfill.
- The additive effect of soil residues from the use of PLOTTER and ASSERT Herbicide on the same land has not been determined. Crop rotation guidelines and minimum rotation intervals are not known and injury to rotational crops other than wheat (excluding durum) may occur. Wherever land will be treated with PLOTTER and has been or will be treated with ASSERT Herbicide, plant only wheat (excluding durum) after both herbicides have been used, until a bioassay (see "Bioassay" section of the PLOTTER label) demonstrates that other crops can be successfully grown.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, PLOTTER is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to PLOTTER and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of PLOTTER or other Group 2 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.

- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Albaugh LLC at 1-800-247-8013.

STORAGE:

Store this product away from food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial/territorial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer and the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.