(container label)

GROUP	22	HERBICIDE

AGROGILL DIQUAT DESICCANT

Solution

AGRICULTURAL

ForOilseed and Legume Forage Seed Crops, Weed Control in Vegetable and Field Crops, Control of Corn Spurry in Oats and Weed Control in Non-crop Land (rights-of-way for transportation or utility corridors, airports, wasteland, garbage dumps and industrial parks).

ACTIVE INGREDIENT: diquat ion (present as dibromide) ... 240 g per litre

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

WARNING
{skull & crossbones in diamond}
POISON

EYE AND SKIN IRRITANT

REGISTRATION NO. **32916** PEST CONTROL PRODUCTS ACT

NET CONTENTS: (**1 L - Bulk)**

Agrogill Chemicals Canada Inc.
35842 Eaglecrest Drive
Abbotsford, BC
V3G 1E8

(604) 853-3229

WARNING!
***HARMFUL OR FATAL IF SWALLOWED.**
HARMFUL IF INHALED, AVOID INHALING/BREATHING DUST, SPRAYS, ETC.
***CAUSES SUBSTANTIAL EYE INJURY AND SKIN IRRITATION.**
***DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.**
***NEVER TRANSFER TO OTHER CONTAINERS.**
*** KEEP OUT OF REACH OF CHILDREN AND ANIMALS.**

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.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. 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.
If in eyes, IMMEDIATELY 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.

TOXICOLOGICAL INFORMATION

To be effective, treatment for ingestion of the product must begin IMMEDIATELY. If swallowed, give adsorbent suspension, for example either activated charcoal (100 g for adults or 2 g/kg body weight for children) or bentonite clay (100 to 150 g for adults or 2 g/kg body weight for children), mixed with a purgative (MgSO4, Na2SO4 or mannitol). Maintain and monitor electrolyte and fluid status daily. Consider haemodialysis or haemoperfusion using charcoal column.

If in eyes, treat symptomatically, using antibiotics and steroids as necessary. Symptoms may develop gradually. Severe damage may be caused by apparently trivial contact and healing may be delayed. Medical supervision should continue until complete healing has occurred.

The use of supplemental oxygen is contraindicated. Do not administer supplemental oxygen unless the patient develops severe hypoxemia.

PRECAUTIONS

EXCESSIVE EXPOSURE TO DIQUAT MAY CAUSE A HEALTH HAZARD. FOLLOWING THE DIRECTIONS AND PRECAUTIONS WILL REDUCE EXPOSURE.

DO NOT get on skin or clothing. DO NOT get in eyes. Wear chemical resistant coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, protective eyewear, socks, chemical resistant footwear, and a respirator during mixing, loading and application, clean-up and repair. Chemical-resistant headgear must be worn for overhead applications. Most exposure to pesticides is by absorption through skin, especially from concentrated material handled at the time of mixing and loading. Rolling down the sleeve end of the glove will prevent drips of liquid from running down the glove onto your arm.

Users should remove personal protective equipment immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. REMOVE CONTAMINATED CLOTHING IMMEDIATELY. Launder contaminated clothing prior to reuse and separate from household laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

Do not eat, drink, handle or use tobacco, or apply cosmetics in areas where there is potential for exposure to this product. Users should wash hands and face before eating, drinking, chewing gum, handling tobacco or using the toilet. Store and wash all protective clothing separately from household laundry.

Do not contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours for all agricultural uses. For all other terrestrial uses, DO NOT enter or allow worker entry into treated areas during the restricted-entry interval of 12 hours.

STORE IN ORIGINAL CONTAINER tightly closed in a safe place away from children.

ENVIRONMENTAL HAZARDS

ANY DRIFT OF THIS PRODUCT OUTSIDE THE IMMEDIATE FIELD AREA MAY RESULT IN DAMAGE TO CROPS, SHELTERBELTS, ORNAMENTAL PLANTS, LAWNS, GRAZING AREAS, WILDLIFE COVER, WETLANDS, AND OTHER DESIRABLE GROWTH.

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

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

Avoid application when heavy rain is forecast.

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

STORAGE
Store in original container, tightly closed, in a safe place away from children.

Store above 0°C. If crystallization occurs because of storage below this, warm to room temperature and agitate gently until reconstituted.

To prevent contamination store this product away from food or feed.

DECONTAMINATION AND DISPOSAL
For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

CONTAINER DISPOSAL:
FOR DISPOSAL OF PLASTIC JUGS:
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 requirements.

FOR REFILLABLE CONTAINERS:
For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

(booklet)

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PRODUCT INFORMATION

Agrogill Diquat Desiccant is a non-volatile, fast acting herbicide. It is inactivated on contact with the soil and therefore, has no residual effect. The herbicidal effect varies with weed species, hence repeat applications may be necessary upon certain perennial weeds. Annual weeds are generally killed with one application.

Germination of seed is not affected by Agrogill Diquat Desiccant for all crops which could go for seed sale.

Agrogill Diquat Desiccant is easily applied in high or low volume sprayers. Very low volume or ultra low volume equipment for aerial application, e.g. rotary atomizer nozzles such as MICRONAIR, are not recommended. Flat fan or hollow cone nozzles are recommended for optimum results. Always use recommended water volume. Complete coverage is essential. DO NOT USE MIST BLOWERS.

Agrogill Diquat Desiccant is rapidly absorbed by plants, and effectiveness is not reduced by rain falling shortly after treatment. EFFECTIVENESS OF THE TREATMENT MAY BE ENHANCED WHEN APPLICATION IS MADE ON CLOUDY DAYS OR PRIOR TO PERIODS OF DARKNESS.

Use clean (non-turbid) water for spraying Agrogill Diquat Desiccant. Muddy water will reduce the effectiveness of Agrogill Diquat Desiccant.

THE USER MUST BE AWARE THAT THIS PRODUCT ACCELERATES THE NATURAL PROCESS OF CROP DRY DOWN. IN CASES OF ADVERSE WEATHER CONDITIONS SUCH AS HEAVY RAIN, HAIL OR STRONG WIND, THE RESULTANT DAMAGE TO YOUR CROP MAY BE ENHANCED. TAKE NOTE THAT CERTAIN CROPS ARE MORE FRAGILE THAN OTHERS.

Crop waste remaining after harvest (e.g. pea vines, alfalfa stems) may be used as a feed supplement for livestock.

HARVESTING

The use of Agrogill Diquat Desiccant facilitates direct combining of many field crops such as canola, mustard or legumes. Growers who wish to swath desiccated crops should wait until the crop has dried down sufficiently to allow the desiccated crop to be picked up and threshed immediately after swathing. Delaying threshing after swathing desiccated crops will increase shattering and seed loss.

For most crops, harvest can normally commence within 4-10 days after desiccation. However, adverse weather conditions such as rainfall, cool temperatures and high humidity will slow plant desiccation and keep seed moisture levels high which can delay commencement of harvest beyond 10 days after application. When those conditions prevail after Agrogill Diquat Desiccant

desiccation, commence harvest when plant material is dry and seed moisture level allows efficient harvesting. To minimize seed loss and to maintain seed quality, harvest of desiccated crops should commence as soon as seed moisture reaches the level for normal harvest.

CLEANING SPRAYER AFTER USE

It is important to thoroughly wash equipment after spraying - use a wetting agent (AGRAL® 90 at 60 mL per 100 L of water), flush and spray out, then thoroughly rinse with clean water. When possible, the equipment should be filled with clean water and left overnight. Spray out before storing equipment or using for other materials.

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.

Refer to the following table for a summary of rates, application volumes and growth stages for ground and aerial application of Agrogill Diquat Desiccant. The table provides operational information. The applicator is directed to the CROPS-ADDITIONAL NOTES section for any additional information prior to spraying. Ground spraying may be done with any standard boom sprayer.

When tank mixing, always read the labels of the tank mix partners and follow all directions for use, restrictions and precautions.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and parks is minimal. Take into consideration meteorological conditions (e.g. wind speed, wind direction, temperature inversion) and application equipment and sprayer settings used for application.

Mixers and loaders supporting aerial applications are required to use closed systems.

Field sprayer application: DO NOT apply during period 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) medium classification. Boom height must be 60 cm or less above the crop or ground.

Aerial application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. Suggested conditions for good aerial application are **moderate temperatures** (less than 25°C) and **humidity** (greater than 50%). DO NOT apply when wind speed is greater than 9 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. To minimize spray drift, use flat fan or hollow cone nozzles, and a pressure of

150-200 kPa, with the nozzle pointed back 150°-180°. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length MUST NOT exceed 65% of the wingspan or rotorspan.

For application to rights-of-way, buffer zones for production of sensitive terrestrial habitats are not required; however, the best available application strategies which minimize off-site drift, including meteorological conditions (e.g. wind direction, low wind speed) and spray equipment (e.g. coarse droplet sizes, minimizing height above canopy), should be used. Applicators must, however, observe the specified buffer zones for protection of sensitive aquatic habitats.

Use AGRAL 90, a wetting and spreading agent, at a rate of 1 L for each 1000 L of spray mixture unless otherwise stated. For soybeans, LI 700 at a rate of 2.5 L for each 1000 L of spray mixture may be used.

AGITATE WELL BEFORE USE.

Buffer zones:
The 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 shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	**Crop**		**Buffer Zones (metres) Required for the Protection of:**		
			Aquatic Habitat of Depths:		**Terrestrial Habitat**
			Less than 1 m	**Greater than 1 m**	
Field sprayer[1]	canola, flax, mustard, sunflower, legume forage seed crops		5	3	3
	Vegetable and field crops, fruit, non-cropland (including rights-of-way[2] for transportation or utility corridors, airports, wasteland, garbage dumps and industrial parks)		10	5	5
Aerial	legume forage seed crops	Fixed wing	150	80	90
		Rotary wing	100	55	70

[1] For field sprayer application, buffer zones can be reduced with the use of drift-reducing spray shields. When using a spray boom fitted with a shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.
[2] For application to rights-of-way, buffer zones for protection of sensitive terrestrial habitats are not required.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zones of the products involved in the tank mixture.

GROUND APPLICATION

Ground spraying may be done with any standard boom sprayer.

AERIAL APPLICATION

Generic Aerial Application Label Instructions - Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals are required to use a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.
The field crew and the mixer/loaders must wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves and footwear, goggles and a respirator during mixing/loading, clean-up and repair, and chemical-resistant headgear for overhead applications.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions
Read and understand the entire label before opening this product. If you have questions obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum spray volume of 45 litres per hectare.

Refer to ENVIRONMENTAL PRECAUTIONS for additional details.

ENVIRONMENTAL PRECAUTIONS
AIRCRAFT APPLICATION IS NOT RECOMMENDED WHERE WETLANDS OR WILDLIFE COVER MIGHT BE OVERSPRAYED. AVOID SPRAY DRIFT ONTO ADJACENT CROPS, SHELTER BELTS AND WILDLIFE COVER. AVOID OVERSPRAYING OR DRIFT ONTO SLOUGHS.

SINCE HERBICIDE APPLICATION MAY DAMAGE THE HABITAT OF MIGRATORY BIRDS AND OTHER WILDLIFE SPECIES, DO NOT USE AERIAL APPLICATION IN FIELDS WHERE WETLANDS OR OTHER GOOD WILDLIFE COVER MIGHT BE OVERSPRAYED; THIS INCLUDES SLOUGHS AND DRY SLOUGH MARGINS IN WESTERN CANADA. USE GROUND SPRAYERS AND LEAVE AN UNSPRAYED MARGIN OF 15 M AROUND THE BORDER OF ALL SLOUGHS.

Apply in weather conditions that will not promote drift. Suggested conditions for good aerial application are **moderate temperatures** (less than 25oC), **humidity** (greater than 50%), and **wind** 3.5-9 kph at flying height at the site of application. Do not apply in dead calm conditions or when temperature inversion is likely (e.g. evening when warm air is rising from crop or morning when sunshine warms the soil and air rises from the field). To avoid spray drift, use flat fan or hollow cone nozzles, and a pressure of 150-200 kPa, with the nozzles pointed back 150°-180°.

TABLE 1

CROPS	RATE (L/ha)	APPLICATION METHOD	APPLICATION VOLUME (L/ha)	CROP CONDITION	NOTES
Field Crops					
Soybeans	1.25-1.7 1.7-2.1	Ground Aerial	225-550 at least 45	Full canopy, few weeds (normal crop)	Spray at 80-90% natural leaf defoliation and at least 80% of the pods have turned yellow. Consider pod turn only when determining application time in years when heavy vine growth is anticipated.
	1.7 2.3	Ground Aerial	225-550 at least 45	Heavy crop stand and/or weedy crop and/or heavy vine regrowth	
Canola	1.25-1.7 1.7	Ground Aerial	225-550 at least 45	Full canopy, few weeds (normal crop)	Apply when 90% or more of seed has turned brown. Combine no later than 14 days after application.
	1.7 2.3	Ground Aerial	225-550 at least 45	Very dense canopy and/or weedy crop	
Flax (including low linolenic acid varieties)	1.25-1.7 1.7	Ground Aerial	225-550 at least 45	Full canopy, few weeds (normal crop)	Spray when crop is at 75% boll turn stage. Harvest when flaxseed tests 'dry'.
	1.7 2.3	Ground Aerial	225-550 at least 45	Very dense canopy and/or weedy crop	
Legumes (alfalfa, birdsfoot trefoil, red clover and white clover) Seed Crops	1.7-2.7 1.7-2.7	Ground Aerial	225-550 at least 45	Full canopy and/or weedy crop	Seed crops only. Apply when the majority of the pods of individual plants are ripe but before they shatter. To prevent pod shattering and loss of seed the interval between spraying and harvest should not exceed 7 days.
	2.7 2.7	Ground Aerial	225-550 at least 45	Very dense canopy and/or weedy crop and/or secondary regrowth	

Mustard (condiment type only)	1.25-1.7 1.7	Ground Aerial	225-550 at least 45	Full canopy, few weeds (normal crop)	Spray when crop is at 75% seed turn (green to brown) stage. Combine no later than 14 days after application.
	1.7 2.3	Ground Aerial	225-550 at least 45	Very dense canopy and/or weedy crop	
Oats - Corn Spurry Control	0.9	Ground	225-335	Corn spurry less than 8 cm high	Do not use wetters, spreaders or stickers. Apply when oats are 8-15 cm in height. DO NOT APPLY BY AIR.
	1.25	Ground	225-335	Corn spurry more than 8 cm high	
Sunflowers	1.25-1.7 1.7	Ground Aerial	225-550 at least 45	Full canopy, few weeds (normal crop)	Spray when seeds reach maturity (20-50% moisture in the seed and hull). Combine 15-20 days after spraying.
	1.7 2.3	Ground Aerial	225-550 at least 45	Very dense canopy and/or weedy crop	
Vegetables & Field Crops					
Stale Seedbed	2.3	Ground	at least 300	Small weeds (3-5 cm high)	Stale Seedbed - Pre-emergent to crop, post emergent weeds. Burn off weeds either prior to, or after seeding, but 3 days before crop emergence. If grasses are present, use GRAMOXONE® in place of Agrogill Diquat Desiccant. DO NOT APPLY BY AIR.
	4.6	Ground	at least 300	Large weeds (greater than 5 cm high)	
Vegetables					
Inter-row	2.3-4.6	Ground	900-1100		If grasses are

directed weeding					present use GRAMOXONE in place of Agrogill Diquat Desiccant. DO NOT APPLY BY AIR.
Fruit					
Perennial grass suppression under apple trees	4.6	Ground	225-675		DO NOT APPLY BY AIR.
Non-Crop Land (Rights-of-way for transportation or utility corridors, airports, wasteland, garbage dumps and industrial parks)					
Weed Control in non-crop land	2.3-4.6	Ground	550-1100		Use higher rates and higher volume of water for dense weed growth. Thoroughly wet foliage. DO NOT APPLY BY AIR.

CROPS - ADDITIONAL NOTES

Soybeans

Ground sprayer application will facilitate use of higher water volumes and provide more complete coverage. Aerial application may be used with aircraft fitted to apply uniform spray coverage. Spray at 80-90% natural leaf defoliation and when at least 80% of the pods have turned yellow. In years of excessive vine regrowth, consider pod colour only for the timing of Agrogill Diquat Desiccant application. Desiccation of weeds is completed in a week. THIS TREATMENT DOES NOT MATURE BEANS NOR DOES IT LOWER MOISTURE CONTENT OF BEANS. Direct combine or pull beans when they are considered ready.

Agrogill Diquat Desiccant applied to beans under prolonged drought stress will provide slower and less effective desiccation compared to applications made under normal growing conditions. If prolonged drought stress conditions exist prior to application, use the highest registered rate of Agrogill Diquat Desiccant for beans as well as the highest registered water volume to obtain the best activity.

Canola

This treatment does not mature canola. Agrogill Diquat Desiccant is an effective desiccant aiding in the harvest of canola. Speed of pod and stem dry down will vary depending on spray coverage, environmental conditions and plant growth stage at application; however pod and stem kill will take place 7-10 days after application.

Ground sprayer application will facilitate use of higher water volumes and provide more complete coverage. Aerial application may be used with aircraft fitted to apply uniform spray coverage. Apply when 90% or more of seed has turned brown; application of Agrogill Diquat Desiccant prior to this stage can result in high levels of green seed in the sample.

Commence harvest as soon as the crop can be combined since significant yield loss in standing desiccated canola crops, particularly Argentine varieties, can occur due to pod drop and pod shattering. This yield loss can be greater if harvest of the standing desiccated crop is delayed or when unfavourable weather conditions including high winds and heavy rainfall occur.

Germination of seed is not affected by Agrogill Diquat Desiccant desiccation.

Flax (including low linolenic acid varieties)
Agrogill Diquat Desiccant is an effective desiccant aiding in the harvest of flax (including low linolenic acid varieties). Desiccation reduces the period of time from maturity to harvest, reduces wear and tear on harvesting equipment, reduces harvest time, decreases the moisture content of the seed and eliminates the need for swathing.

Spray when the crop is at the 75% boll turn stage (normal swathing time).

Do not apply before 75% boll turn. Harvest when the flaxseed tests 'dry'.

Ground sprayer application will facilitate use of higher water volumes and provide more complete coverage.

Aerial application may be used where the crop is too dense or the ground too soft for ground rigs. Ensure aircraft is fitted to apply uniform spray coverage.

Germination of seed is not affected by Agrogill Diquat Desiccant desiccation of the crop.

Fruit
Perennial Grass Suppression Under Apple Trees
See Table 1 for rates.

DO NOT APPLY BY AIR.

Legumes
Alfalfa, Birdsfoot Trefoil, Red Clover, and White Clover Seed Crops
To prevent seed pod shattering and loss of seed, the interval between spraying and harvest should not exceed 7 days. NOTES: 1) Birdsfoot trefoil plants under drought or disease stress may be subject to damage when desiccated with Agrogill Diquat Desiccant. 2) Do not use Agrogill Diquat Desiccant if a residual herbicide has been used on the legumes within the past 12 months.

Ground sprayer application will facilitate use of higher water volumes and provide more complete coverage. Aerial application may be used where the crop is too dense or the ground too soft for ground rigs. Ensure aircraft is fitted to apply uniform spray coverage.

Mustard (condiment type only)
Spray when the crop is at the 75% seed turn (green to brown) stage. Do not apply when the crop is immature or past the recommended stage of maturity. Commence combining no later than 14 days after application. **NOTE:** Pod drop and some shattering can occur in high winds in the standing crop.

Ground sprayer application will facilitate use of higher water volumes and provide more complete coverage. Aerial application may be used where the crop is too dense or the ground too soft for ground rigs. Apply by means of an aircraft fitted to apply uniform spray coverage.

Non-Crop Land (Rights-of-way for transportation or utility corridors, airports, wasteland, garbage dumps and industrial parks)
Weed Control in Non-Crop Land
For the top kill of weeds, Agrogill Diquat Desiccant will provide a rapid top-kill of weeds and grasses when applied as a foliar spray. Agrogill Diquat Desiccant may be added to tank mixes of certain soil sterilants where immediate top kill and long term soil sterilization is required. The combined use with soil sterilants should be based on previous experimental experience, and recommendations on the label of the residual herbicide.

DO NOT APPLY BY AIR.

Oats - Corn Spurry Control
Agrogill Diquat Desiccant, when applied by ground sprayer as recommended in Table 1 will burn corn spurry and give a temporary burning of the exposed oats leaves, but the plants quickly recover. Do not use any surfactant.

DO NOT APPLY BY AIR.

Sunflowers
Agrogill Diquat Desiccant is an effective desiccant aiding in the harvest of sunflower seed for seed, oil production and confectionery use. If specialized high clearance equipment is available, ground sprayer application will facilitate use of higher water volumes and provide more complete coverage. Aerial application may be used where the crop is too tall or the ground too soft for ground rigs. Do not apply when the crop is immature.

Combine 15-20 days after spraying.

Vegetables and Field Crops
Stale Seedbed - Pre-emergent to crop, Post-emergent to Weeds on Stale Seedbed
For weed control in beets, carrots, cole crops, corn, onions, cucumbers, potatoes, soybeans and turnips, prepare a stale seedbed by early cultivation (at least two to four weeks in advance of

seeding) to stimulate weed growth. Seed without further cultivation and with a minimum of soil disturbance.

Apply by ground sprayer 2.3 to 4.6 L of Agrogill Diquat Desiccant (2.3 L for small weeds, 3 to 5 cm high, and 4.6 L for larger weeds) in 300 L or more of water per hectare to burn off emerged weeds either prior to seeding or after seeding, but three days before crop emergence. If grasses are present, use GRAMOXONE herbicide in place of Agrogill Diquat Desiccant.

DO NOT APPLY BY AIR.

Vegetables
Inter-row, Directed Chemical Weeding of Vegetable Crops
For weed control between the rows after crop and weed emergence, use suitable protective equipment and spray nozzle to protect crop from spray. If grasses are present, use GRAMOXONE herbicide in place of Agrogill Diquat Desiccant.

DO NOT APPLY BY AIR.

Resistance-Management Recommendations
For resistance management, Agrogill Diquat Desiccant is a Group 22 herbicide. Any weed population may contain or develop plants naturally resistant to Agrogill Diquat Desiccant and other Group 22 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 Agrogill Diquat Desiccant or other Group 22 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 company representatives at 1-604-853-3229.