[CONTAINER LABEL]

GROUP	14	HERBICIDE

Maxunitech Flumi 480SC

HERBICIDE
Suspension Concentrate
COMMERCIAL

Pre-emergence weed control in labelled crops and to maintain bare ground non-crop areas. Also for harvest aid for labelled crops.

ACTIVE INGREDIENT:
Flumioxazin……480g/L

Contains 1,2-benzisothiazolin-3-one at 0.02%, 5-chloro-2- methyl-4-isothiazolin-3-one at 0.00097% and 2-methyl-4-isothiazolin-3-one at 0.00034% as preservatives

READ THE LABEL AND BOOKLET BEFORE USING

REGISTRATION NO.: 35785 PEST CONTROL PRODUCTS ACT

Net Contents: 0.5-1000 Litres

Maxunitech North America, Inc.
11601 Shadow Creek Pkwy, Suite 111-573
Pearland, Texas 77584, USA
1-855-462-9621 or 86-571-28007837

Canadian Agent:
Liana Li
7030 Woodbine Ave Suite 405
Markham, ON. Canada L3R 6G2
1-855-462-9621

EMERGENCY TELEPHONE NUMBERS:
For product and use information, Maxunitech North America, Inc., 1-855-462-9621 or 86-571-28007837.
For spills or transportation accidents, Chemtrec, 1-800-424-9300.

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

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 the 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

There is no specific antidote for this product. Apply symptomatic therapy.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table on the attached label.

ENVIRONMENTAL PRECAUTIONS

[OPTIONAL STATEMENT FOR SMALLER CONTAINER SIZE] [Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals and certain beneficial arthropods. See booklet for full environmental precautions and restrictions.]

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

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 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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

DISPOSAL

Disposal of container: 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 or territorial requirements.

Disposal of unused, unwanted product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

STORAGE

DO NOT contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. DO NOT store or transport near feed or food. Not for use or storage in or around the home. Store this product away from food or feed.

{Booklet Label}

GROUP	14	HERBICIDE

Maxunitech Flumi 480SC

HERBICIDE
Suspension Concentrate
COMMERCIAL

Pre-emergence weed control in labelled crops and to maintain bare ground non-crop areas. Also for harvest aid for labelled crops.

ACTIVE INGREDIENT:
Flumioxazin……480 g/L

Contains 1,2-benzisothiazolin-3-one at 0.02%, 5-chloro-2- methyl-4-isothiazolin-3-one at 0.00097% and 2-methyl-4-isothiazolin-3-one at 0.00034% as preservatives

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NOTICE TO USER

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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 the 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

There is no specific antidote for this product. Apply symptomatic therapy.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid breathing dust and spray mist. Avoid contact with skin, eyes or clothing.

Follow the personal protective equipment, engineering controls, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table below:

Equipment	Personal Protective Equipment		Maximum amount of product handled per day
	Mixer/Loader/ Clean-up and Repair	Applicator	
Groundboom	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Open cab: Long- sleeved shirt and long pants, chemical- resistant gloves, socks and shoes.	48 L
	Chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear.	Closed Cab: Long-sleeved shirt, long pants, socks and shoes. Gloves are not required.	125 L

Right-of-Way-sprayer	Long-sleeved shirt and long pants, chemical-resistant gloves, socks and shoes.	Coveralls over a long-sleeved shirt and long pants, chemical- resistant gloves, socks and shoes.	8 L
Mechanically-pressurized handgun	Chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical resistant footwear. A NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides, is also required.		2.7 L
Backpack	Long-sleeved shirt, long pants, chemical- resistant gloves, socks and shoes.		Not applicable
Manually-pressurized handwand	Long-sleeved shirt, long pants, chemical- resistant gloves, socks and shoes.		Not applicable

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

In non-crop areas, **DO NOT** enter or allow entry into treated areas until the sprays have dried. For crop uses, **DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Pre-grazing Intervals:
Following treatment with Maxunitech Flumi 480SC, follow these grazing restrictions:

For field corn:
- DO NOT harvest as green feed, silage or permit livestock to graze fields within 93 days after application.

For soybeans:
- DO NOT harvest as green feed or permit livestock to graze fields within 21 days after application.
- DO NOT cut hay/fodder within 50 days after application.

For all other crops:
- DO NOT graze, cut or feed treated crops to livestock.

Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.

Do not apply within 100 metres of non-dormant pears.
Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact Maxunitech North America, Inc.

Read and understand the entire label before opening this product. If you have any questions, call the registrant at 1-855-462-9621 or obtain technical advice from the distributor or your provincial or

territorial agricultural representative. Application of this specific product must meet and/or conform to the following:

ENVIRONMENTAL PRECAUTIONS

Toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Toxic to small wild mammals. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

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 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. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

DISPOSAL

Disposal of container: 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:

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Disposal of unused, unwanted product: For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for cleanup of spills.

STORAGE

DO NOT contaminate water, food or feed by storage. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. DO NOT store or transport near feed or food. Not for use or storage in or around the home. Store this product away from food or feed.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Maxunitech Flumi 480SC contains a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to Maxunitech Flumi 480SC and other Group 14 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 Maxunitech Flumi 480SC or other Group 14 herbicides

within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in the 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 Maxunitech North America, Inc. at 1-855-462-9621.

GENERAL INFORMATION

Maxunitech Flumi 480SC provides residual control of susceptible weeds in labelled crops when used in accordance with this label. It also may be used as a harvest aid for labelled crops. Maxunitech Flumi 480SC is effective as a preemergence herbicide, for control of selected grass and broadleaf weeds. Maxunitech Flumi 480SC controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled preemergence when exposed to sunlight following contact with the soil applied herbicide. Preemergence weed control with Maxunitech Flumi 480SC is most effective when applied to clean, weed-free soil surfaces. Disturbing soil surfaces may reduce herbicide efficacy.

Maxunitech Flumi 480SC offers residual control of susceptible grass and broadleaf weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on the application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

Rotational Restrictions

The following rotational crops may be planted after applying Maxunitech Flumi 480SC at the listed rate. Planting earlier than the recommended rotational interval may result in crop injury.

Maxunitech Flumi 480SC Rate	Crop	Rotational Interval

112 mL/ha (for desiccation on Dry beans	Winter wheat	7 days
149 mL/ha	Soybean, chickpea, field pea	Immediately
	Field corn, Spring and Winter Wheat, Lentils [small red and large green varieties]	7 days
	Sunflower, Sorghum, dry common beans[1], and Canola	9 months
	Alfalfa and barley	11 months
	All other crops not listed[2]	12 months
224 mL/ha	Soybean, chickpea, field pea	Immediately
	Spring and Winter Wheat	7 days
	Field corn (minimum and no-till)	14 days
	Field corn (conventional till)	30 days
	Lentils [small red and large green varieties]	6 months
	Sorghum, dry common beans[1] and sunflower	9 months
	Alfalfa, barley, and canola	11 months
	All other crops not listed[2]	12 months

[1] Common bean varieties vary in their tolerance to herbicides, including to Maxunitech Flumi 480SC. Since not all common bean varieties grown as rotational crops have been tested for tolerance to Maxunitech Flumi 480SC, first seeding common bean varieties to the field previously treated with Maxunitech Flumi 480SC should be limited to a small area to confirm tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of common bean as a rotational crop seeded to field treated with Maxunitech Flumi 480SC.
[2] Successful soil bioassay must be performed prior to planting crops not listed.

After periods of extended drought, when there is a lack of adequate soil moisture, longer rotational intervals may be needed. A successful soil bioassay should be performed prior to planting potential rotational crops to confirm safety.

GENERAL DIRECTIONS FOR USE

As this pesticide 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.

SPRAYER AND APPLICATION INFORMATION

Shake Maxunitech Flumi 480SC well before use.

Apply using ground application equipment only. Before applying Maxunitech Flumi 480SC, start with

clean, well maintained application equipment. Nozzles should be uniformly spaced on boom and frequently checked for accuracy. For broadcast application, apply Maxunitech Flumi 480SC with ground equipment using standard commercial sprayers equipped with nozzles designed to deliver the desired spray pressure and spray volume. When banding, use proportionately less water and Maxunitech Flumi 480SC per hectare.

Equipment with Maxunitech Flumi 480SC residues remaining in the system may result in crop injury to the subsequently treated crop. Spray equipment used to apply Maxunitech Flumi 480SC should not be used to apply other materials to any plant foliage. Spray equipment must be cleaned each day following Maxunitech Flumi 480SC application. After Maxunitech Flumi 480SC is applied, the following steps must be used to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
2. Top off tank, add 4 L of 3% household ammonia for every 400 L of water, circulate through sprayer for 5 minutes, and then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes.
3. Drain tank completely.
4. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for 3 minutes.
5. Remove all nozzles and screens and rinse them with clean water.
6. Do not contaminate water, food or feed by cleaning of equipment.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water. Engage gentle agitation.
2. While agitating, slowly add Maxunitech Flumi 480SC to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing Maxunitech Flumi 480SC with other labelled herbicides follow the WAMLEGS [Wettable powders/ flowable, Agitate Anti-flowing compounds/buffers, Microcapsule suspension, Liquid and soluble, Emulsifiable concentrates, High load Glyphosates, Surfactants] mixing order system:
    - Add water soluble bags first
    - Followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
    - Prepare no more spray mixture than is required for the immediate spray operation.
4. Add adjuvants or surfactants, if recommended.
5. Fill spray tank to desired level with water. **Agitation should continue until spray solution has been applied.**
6. Mix only the amount of spray solution that can be applied the day of mixing. Maxunitech Flumi 480SC should be applied within 6 hours of mixing.

CARRIER VOLUME AND SPRAY PRESSURE

Preemergence Application: To ensure uniform coverage, use between 100 to 300 L of spray solution per hectare for preemergence applications. Use higher water volumes if significant crop residue is present. Nozzle selection should meet manufacturer's volume and pressure recommendations for preemergence herbicide application.

Harvest Aid Application: To ensure thorough coverage in harvest aid applications, use 140 to 280 L per hectare. Nozzle selection should meet manufacturer's volume and pressure recommendations for postemergence herbicide application. Do not use flood jet nozzles.

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Use 50 mesh filter screens or larger (metal or nylon). A spray pressure of 210 - 275 kPa is recommended for flat fan nozzles.

Use caution when applying under circumstances where possible drift to unprotected persons or food, forage or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much pressure.

Make application when the wind velocity favours on-target product deposition.

DO NOT make applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.

All ground application equipment must be properly maintained and calibrated using appropriate carriers.

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

SPRAY BUFFER ZONES:
A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with orchard crop, fruit or foliage.

For application to rights-of-way, spray buffer zones for protection 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 spray buffer zones for protection of sensitive aquatic habitats.

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 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/Site	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Dry bean	2	1	0	0	5
	Soybean, field corn, field pea, chickpea, lentils, succulent shelled peas, edible-podded peas	3	1	1	0	10
	Bare ground, non-crop uses	5	2	1	1	25*

*Spray buffer zones for the protection of terrestrial habitats are not required for use on rights-of- way including railroad ballast, rail and hydro rights-of-way, and utility easements.

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 (ASABE) category indicated on the labels for those tank mix partners.

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

Maxunitech Flumi 480SC offers residual control of susceptible broadleaf and grass weeds listed on this label and assists in the control of acetolactate synthase (ALS) resistant weeds. The length of residual control is dependent on the application rate as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase and on soils of high organic matter and/or high clay content.

Crop injury may occur from applications made to poorly drained soil and/or applications made under cool, wet conditions. Severe crop injury will result when soils are flooded following applications of Maxunitech Flumi 480SC. Treated soil that is splashed onto newly emerged crops may result in temporary crop injury.

Moisture is necessary to activate Maxunitech Flumi 480SC in soil for residual weed control. Dry weather following applications of Maxunitech Flumi 480SC may reduce effectiveness. However, when adequate moisture is received after dry conditions, Maxunitech Flumi 480SC will control

susceptible germinating weeds. Maxunitech Flumi 480SC may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil.

When adequate moisture is not received after a Maxunitech Flumi 480SC application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Note: Do not irrigate when corn is emerging to 2-leaf.

Do not perform any tillage operations after application or weed control will be reduced. Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

TANK MIXING

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 Maxunitech North America, Inc. at 1-855-462-9621 for information before applying any tank mix that is not specifically recommended on this label.

Tank Mix Restrictions
Do not tank mix Maxunitech Flumi 480SC, or use in the same field, with flufenacet, metolachlor or s-metolachlor, dimethenamid or dimethenamid-p, alachlor, or acetochlor, as crop injury may occur.

TABLE 1. WEEDS CONTROLLED

Application Rate (mL/ha)	Weed Claims

149-224	Redroot pigweed (*Amaranthus retroflexus*) Green pigweed (*Amaranthus powellii*) Common ragweed (*Ambrosia artemisiifolia*) Common lamb's-quarters (*Chenopodium album*) Hairy nightshade (*Solanum sarachoides*) Dandelion (*Taraxacum officinale*) Eastern black nightshade (*Solanum ptycanthum*) Kochia (*Kochia scoparia*) including Group 2, 4, and 9 resistant kochia Canada fleabane (*Conyza canadensis)* Common chickweed (*Stellaria media)* Common waterhemp (*Amaranthus rudis*), including biotypes resistant to herbicide groups 2, 5 and 9 Palmer amaranth (*Amaranthus palmeri*) *Suppression only:* Green foxtail (*Setaria viridis*) Volunteer canola (*Brassica napus*) including glyphosate, glufosinate and imidazolinone tolerant varieties
298-448	Redroot pigweed (*Amaranthus retroflexus*) Green pigweed (*Amaranthus powellii*) Common ragweed (*Ambrosia artemisiifolia*) Common lamb's-quarters (*Chenopodium album*) Green foxtail (*Setaria viridis*) Hairy nightshade (*Solanum sarachoides*) Dandelion (*Taraxacum officinale*) Eastern black nightshade (*Solanum ptycanthum*) Kochia (*Kochia scoparia*) including Group 2, 4, and 9 resistant kochia Canada fleabane (*Conyza canadensis)* Common chickweed (*Stellaria media)* Volunteer canola (*Brassica napus*) including glyphosate, glufosinate and imidazolinone tolerant varieties Common waterhemp (*Amaranthus rudis*), including biotypes resistant to herbicide groups 2, 5 and 9 Palmer amaranth (*Amaranthus palmeri*)

DIRECTIONS FOR USE IN SOYBEAN

Preemergence Application Timing
Maxunitech Flumi 480SC may be applied to soybeans prior to planting or within 3 days after planting and prior to soybean emergence. Application after the soybeans have begun to crack, or are emerged, will result in severe crop injury. At an application rate of 224 mL/ha of Maxunitech Flumi 480SC on medium- and fine-textured soils, soybean crop injury may be observed following application.

No-till planters that incorporate the soil during planting may result in decreased weed control in the row. When these types of planters are used, apply Maxunitech Flumi 480SC within 3 days of planting and before soybeans emerge.

If the crop treated with Maxunitech Flumi 480SC is lost due to a catastrophe, such as hail or other forms of inclement weather, soybeans can be replanted immediately, provided no more than 224 mL/ha of Maxunitech Flumi 480SC was used on the lost crop. Crop injury may occur if these restrictions are not followed.

Risk of crop injury can be minimized by using on well drained soils, planting at least 4 cm deep, using high quality seed and ensuring seeds are completely covered with soil prior to preemergence applications. Treated soil that is splashed onto newly emerged crops by rain drops may result in temporary crop injury.

Burndown Applications (Spring and Fall)
Maxunitech Flumi 480SC, applied as part of a burndown program, may be used for residual weed control where soybeans will be planted directly into a stale seedbed, cover crop, or in previous crop residues. For control of emerged weeds, tank mix with glyphosate, present as the isopropylamine or potassium salt. Reduced weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

SOYBEAN – Application Rates		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse- textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as isopropylamine or potassium salt, at 1.2 kg a.e./ha.
Medium- and fine- textured, with <5% organic matter	224	

[1]: Do not apply on soils with > 5% OM

DIRECTIONS FOR USE IN FIELD CORN (minimum and no-till)

Use only on no-till or minimum tillage fields where last year's crop residue has not been incorporated into the soil.

When adequate moisture is not received after a Maxunitech Flumi 480SC application, weed control may be improved by irrigation with at least ½-1 cm of water. Do not irrigate when corn is emerging to 2-leaf.

Weed control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation. Do not perform any tillage operations after application or weed control will be reduced. No-till planters that incorporate the soil during planting may result in decreased weed control in the row.

Preemergence Application Timing
Maxunitech Flumi 480SC provides preemergence control of susceptible weeds in field corn. Apply

Maxunitech Flumi 480SC with ground equipment between 7 and 30 days prior to planting field corn into no-till or minimum tillage fields.

Burndown Applications (Spring and Fall)
Maxunitech Flumi 480SC, applied as part of a burndown program, may be used for residual weed control where field corn will be planted directly into previous crop residues. For control of emerged weeds, tank mix with glyphosate, present as isopropylamine or potassium salt. Reduced weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

FIELD CORN (minimum and no-till) – Application Rates		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse- textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence between 7 and 30 days prior to planting field corn into no-till or minimum tillage fields. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as isopropylamine or potassium salt, at 1.2 kg a.e./ha.
Medium- and fine- textured, with <5% organic matter	224	

[1]: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE IN FIELD PEA

Do not perform any tillage operations after application or weed control will be reduced.

Preemergence Application Timing
Maxunitech Flumi 480SC provides preemergence control of susceptible weeds in field pea. Apply Maxunitech Flumi 480SC with ground equipment prior to planting or within 3 days after planting and prior to emergence. Application after the field peas have begun to crack, or are emerged, will result in severe crop injury.

Burndown Applications (Spring and Fall)
Maxunitech Flumi 480SC, applied as part of a burndown program, may be used for residual weed control where field pea will be planted directly into previous crop residues. For control of emerged weeds, tank mix with glyphosate, present as isopropylamine or potassium salt. Reduced weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

For fall burndown: Application should be made in the fall, just before freeze-up and when winter annuals and perennial weeds are still growing to allow for optimum herbicide absorption and activity. Applications made after a killing frost will result in reduced perennial and winter annual weed control. Do not apply to snow covered or frozen soil.
Abnormally warm winters may reduce the length of weed control observed in the spring.

FIELD PEA – Spring Application Rate		
Soil Type[1]	**RATE[2] (mL/ha)**	**COMMENTS**

Coarse-, medium-, and fine-textured with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Apply Maxunitech Flumi 480SC with ground equipment prior to planting or within 3 days after planting and prior to emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as potassium salt, at 900 g a.e./ha.

[1]: Do not apply on soils with > 5% OM.
[2].The duration of residual control may be reduced with 149 mL/ha in medium and fine textured soils <5% in OM.

FIELD PEA – Fall Application Rates		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse- textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as potassium salt, at 900 g a.e./ha
Medium- and fine-textured, with <5% organic matter	224	

[1]: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE IN CHICKPEA

Do not perform any tillage operations after application or weed control will be reduced.

Preemergence Application Timing
Maxunitech Flumi 480SC provides preemergence control of susceptible weeds in chickpea. Apply Maxunitech Flumi 480SC with ground equipment prior to planting or within 3 days after planting and prior to emergence. Application after the chickpeas have begun to crack, or are emerged, will result in severe crop injury.

Burndown Applications (Spring and Fall)
Maxunitech Flumi 480SC, applied as part of a burndown program, may be used for residual weed control where chickpeas will be planted directly into previous crop residues. For control of emerged weeds, tank mix with glyphosate, present as isopropylamine or potassium salt. Reduced weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

For fall burndown: Application should be made in the fall, just before freeze-up and when winter annuals and perennial weeds are still growing to allow for optimum herbicide absorption and activity. Applications made after a killing frost will result in reduced perennial and winter annual weed control. Do not apply to snow covered or frozen soil. Abnormally warm winters may reduce the length of weed control observed in the spring.

CHICKPEA – Spring Application Rate		
Soil Type[1]	**RATE[2] (mL/ha)**	**COMMENTS**

Coarse-, medium-, and fine-textured with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Apply Maxunitech Flumi 480SC with ground equipment prior to planting or within 3 days after planting and prior to emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as potassium salt, at 900 g a.e./ha.

[1]: Do not apply on soils with > 5% OM.
[2].The duration of residual control may be reduced with 149 mL/ha in medium and fine textured soils <5% in OM.

CHICKPEA – Fall Application Rates		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse- textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as potassium salt, at 900 g a.e./ha
Medium- and fine-textured, with <5% organic matter	224	

[1]: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE IN LENTIL [Small Red and Large Green Varieties]

Do not perform any tillage operations after application or weed control will be reduced.

Preemergence Applications (Spring)
Maxunitech Flumi 480SC preemergent application provides control of susceptible weeds in small red and large green varieties of lentils. Apply Maxunitech Flumi 480SC with ground equipment as early in the season as possible, a minimum of 7 days prior to planting small red or large green lentil varieties into no-till or minimum tillage fields. Lentils must be planted a minimum of 2.5 cm (1 inch) deep to maximize crop safety. Receiving an activating rainfall or irrigating with at least 1 cm of water prior to seeding will help minimize the potential for crop injury.

Do not apply other residual herbicides with, before, or after applying Maxunitech Flumi 480SC in the spring prior to seeding lentils, as crop injury may result. Areas of fields with combinations of low organic matter, high pH, and or high sand content may exhibit crop injury symptoms. The use of optimal agronomics to support plant establishment will reduce crop injury potential - high quality seed, seed treatment, and using optimal seeding rates will minimize crop injury potential.

Fall Burndown Applications (With Glyphosate)
Maxunitech Flumi 480SC, applied as part of a burndown program, may be used for residual weed control where lentils will be planted directly into previous crop residues. For control of emerged weeds, tank mix with glyphosate, present as isopropylamine or potassium salt. Reduced weed control may occur when burndown applications are made to fields where heavy crop and/orweed residue exist.

Application should be made in the fall, just before freeze-up and when winter annuals and perennial weeds are still growing to allow for optimum herbicide absorption and activity. Applications made after a killing frost will result in reduced perennial and winter annual weed control. Do not apply to snow covered or frozen soil. Abnormally warm winters may reduce the length of weed control observed in the spring.

CROP TOLERANCE

Lentil varieties vary in their tolerance to Maxunitech Flumi 480SC. Testing has shown that small-seeded red and large-seeded green varieties are most tolerant to applications of Maxunitech Flumi 480SC. Other seed classes of lentils should not be planted into areas treated with Maxunitech Flumi 480SC.

Environmental conditions, such as saturated soils, and abnormally cool, wet weather after seeding may also increase lentil injury following a spring or fall application of Maxunitech Flumi 480SC. A seeding depth of 2.5 to 6 cm (1" to 2.5") is recommended. Crop injury symptoms are generally transient and will reduce as growing conditions return to normal. Maxunitech Flumi 480SC is a very active herbicide and the user should exercise caution until gaining familiarity with this product in their production system and under local conditions.

LENTILS [Small Red and Large Green Varieties] – Spring Application Rate		
Soil Type[1]	**RATE[2] (mL/ha)**	**COMMENTS**
Coarse-, medium-, and fine-textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence, and at minimum 7 days prior to planting lentils into no-till or minimum tillage fields. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as potassium salt, at 900 g a.e./ha.

[1]: Do not apply on soils with > 5% OM.
[2]. The duration of residual control may be reduced with 149 mL/ha in medium and fine textured soils <5% in OM.

LENTILS [Small Red and Large Green Varieties] – Fall Application Rates		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse- textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as isopropylamine or potassium salt, at 1.2 kg a.e./ha.
Medium- and fine-textured, with <5% organic matter	224	

[1]: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE AS A HARVEST AID IN DRY BEAN (Phaseolus vulgaris L.)

General Restriction and Limitations

- For use as a desiccant, do not apply more than 112 mL/ha of Maxunitech Flumi 480SC.
- Do not harvest within 8 days of application.
- Do not apply more than a single application of 112 mL/ha of Maxunitech Flumi 480SC during a growing season.

Application Rate and Timing – Maxunitech Flumi 480SC

Apply Maxunitech Flumi 480SC at a rate of 112 mL/ha plus a methylated seed oil adjuvant (such as MSO Spray Adjuvant) at a rate of 1% v/v when crop is mature. Dry beans can be harvested 8 days after application.

Maxunitech Flumi 480SC alone treatment does not desiccate large weeds present in the field; tank mixing Maxunitech Flumi 480SC at a rate of 112 mL/ha plus a methylated seed oil adjuvant (such as MSO Spray Adjuvant) at a rate of 1% v/v with glyphosate present as isopropylamine or potassium salt at 900 g a.e./ha increases control of emerged weeds and aids in harvest. If applying with glyphosate herbicide, do not harvest dry beans within 7 days of application, as per the glyphosate use directions.
To ensure thorough coverage, use 140-280 L spray solution per hectare. Nozzle selection should meet manufacturer's recommendation for post-emergence application.

DIRECTIONS FOR USE IN BARE GROUND NON-CROP AREAS

Maxunitech Flumi 480SC, when used as directed, can be used on farms for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free.

- **DO NOT** apply by air. Apply using ground application equipment only.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Apply only once per growing season.

Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse-textured, with <5% organic matter	298	Preemergence: Apply prior to weed emergence, in sufficient water for uniform coverage. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate, product

Medium- and fine-textured, with <5% organic matter	448	present as isopropylamine or potassium salt, at 1.2 kg a.e./ha

[1]: Do not apply on soils with > 5% OM.

DIRECTIONS FOR USE IN SUCCULENT SHELLED AND EDIBLE-PODDED PEAS (*Pisum* spp. and pigeon pea)

When adequate moisture is not received after a Maxunitech Flumi 480SC application, weed control may be improved by irrigation with at least ½ to 1 cm of water. Control will be reduced if there is mechanical incorporation into the soil or if emerged weeds are controlled by cultivation.

Do not perform any tillage operations after application or weed control will be reduced.

Apply only once during a single growing season.

APPLICATION TIMING

Maxunitech Flumi 480SC provides preemergence control of susceptible weeds in succulent shelled and edible-podded pea. Apply Maxunitech Flumi 480SC with ground equipment prior to planting. Application after the succulent shelled and edible-podded pea have begun to crack, or are emerged, will result in severe crop injury.

Succulent shelled and edible-podded pea must be planted a minimum of 2.5 cm (1 inch) deep to maximize crop safety. Receiving an activating rainfall or irrigating with at least 1 cm of water prior to seeding will help minimize the potential for crop injury. Apply only to well drained and structured soils that do not have a history of ponding or flooding.

Do not apply other residual herbicides with, before, or after applying Maxunitech Flumi 480SC in the spring prior to seeding succulent shelled and edible-podded pea, as crop injury may result. Areas of fields with combinations of low organic matter, high pH, and or high sand content may exhibit crop injury symptoms. The use of optimal agronomics to support plant establishment will reduce crop injury potential - high quality seed, seed treatment, and using optimal seeding rates will minimize crop injury potential.

Environmental conditions, such as cold, saturated soils, and abnormally cool wet weather after seeding may increase succulent shelled and edible-podded pea injury following an application of Maxunitech Flumi 480SC. Severe crop injury will result when soils are flooded following applications of Maxunitech Flumi 480SC. Treated soil that is splashed onto newly emerged crops may result in crop injury. User should understand and accept this risk before using this product on succulent shelled and edible-podded pea. Crop injury symptoms are generally transient and may reduce as growing conditions return to normal. Maxunitech Flumi 480SC is a very active herbicide and the user should exercise caution until gaining familiarity with this product. User should understand and accept this risk before using this product on succulent shelled and edible-podded pea.

SUCCULENT SHELLED AND EDIBLE-PODDED PEAS (*Pisum* spp. and pigeon pea) – Application Rates		
Soil Type[1]	**RATE[2] (mL/ha)**	**COMMENTS**
Coarse-, Medium-, and fine textured, with <5% organic matter	149	Preemergence: Apply prior to weed emergence.

[1]: Do not apply on soils with > 5% OM.
2: The duration of residual control may be reduced with 149 mL/ha in fine-textured soils and/or <5% in OM.

DIRECTIONS FOR USE IN BARE GROUND NON-CROP AREAS

Maxunitech Flumi 480SC, when used as directed, can be used for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free. Apply Maxunitech Flumi 480SC to:

- Do not apply within any enclosed structure.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply by air. Apply using ground application equipment only.
- Do not make more than two applications in a growing season.

TO MAINTAIN BARE GROUND NON-CROP AREAS - Application Rate		
Soil Type[1]	**RATE (mL/ha)**	**COMMENTS**
Coarse-textured, with <5% organic matter	298	Preemergence: Apply prior to weed emergence. Postemergence: When weeds are already emerged, apply Maxunitech Flumi 480SC as a tank mix with a glyphosate product, present as isopropylamine or potassium salt, at 1.2 kg a.e./ha.
Medium- and fine-textured, with <5% organic matter	448	

[1]: Do not apply on soils with > 5% OM.