GROUP 13 HERBICIDE

# COMMAND 360 ME HERBICIDE

# **Microcapsule Suspension**

# **COMMERCIAL**

A Selective Microencapsulated Suspension for Preemergent Weed Control in Soybeans, Field Cucumbers, Melons, Squash, Peppers and Processing Pumpkins and Applied Post-Transplant in Field Sweet Potatoes in Eastern Canada and Peppers (Eastern Canada and Manitoba only), Pre-plant Weed Control in Herbicide-Tolerant Canola and Asparagus (National).

# READ THE LABEL AND ATTACHED BROCHURE BEFORE USING KEEP OUT OF REACH OF CHILDREN



# POTENTIAL EYE AND SKIN IRRITANT POTENTIAL SKIN SENSITIZER

**REGISTRATION NO.**: 27827 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L - 1000 L

FMC Corporation 2929 Walnut Street Philadelphia, PA 19104 USA 1-800-331-3148

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS).

#### **FIRST AID**

**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 **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**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 center or doctor for treatment advice.

<u>If inhaled:</u> 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.

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

#### TOXICOLOGICAL INFORMATION

Treat symptomatically.

# **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through the skin. Irritating to eyes and skin. Potential skin sensitizer.

Avoid breathing vapour or mist. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

# **Personal Protective Equipment (PPE):**

During mixing, loading, cleanup, repair and application wear long-sleeved shirt, long pants, chemical resistant gloves and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wear freshly laundered clothes daily. Clothing should be washed separately from household laundry, before reuse.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### RESTRICTIONS

Do not apply more than one application per season.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from the area treated. Do not apply where runoff is likely to occur. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of waste. DO NOT APPLY COMMAND 360 ME BY AIR OR THROUGH ANY TYPE OF IRRIGATION EQUIPMENT.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

# **ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic organisms. Do not apply directly to surface waters or wetlands. Do not apply to areas where runoff is likely to occur. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from the treated area. Foliar contact with spray or vapours may cause foliar whitening or yellowing of sensitive plants. Symptoms are generally temporary, but may persist in some plant species.

#### **GRAZING/FEEDING RESTRICTION**

Do not graze the treated crop or cut for hay; sufficient data are not available to support such use.

# STORAGE

If possible, store above 5°C to keep product from freezing . If frozen, thaw before use. If solid crystals are observed, warm material to above 15 °C by placing container in warm location. Shake or roll container periodically to redissolve solids.

Do not use or store near heat or open flame.

Store in original containers only. Store in a dry location. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

#### DISPOSAL

- 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
- 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
- 3. Make the empty container unsuitable for further use.
- 4. Dispose of the container in accordance with provincial requirements.

5. 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.

**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.

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS).

COMMAND® is a trademark of FMC Corporation

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# WARNING

APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. Do not apply to peat or muck soils or any containing more than 10% organic matter. If COMMAND 360 ME is to be applied to fields spread with manure, ensure that the manure has been thoroughly disintegrated and mixed into the soil to a depth of 10-15 cm before COMMAND 360 ME application.

# **FIRST AID**

**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 **any** liquid to the person. Do not give anything by mouth to an unconscious person.

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Treat symptomatically.

#### **PRECAUTIONS**

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Harmful if swallowed or absorbed through the skin. Irritating to eyes and skin. Potential skin sensitizer.

Avoid breathing vapour or mist. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

# **Personal Protective Equipment (PPE):**

During mixing, loading, cleanup, repair and application wear long-sleeved shirt, long pants, chemical resistant gloves and shoes plus socks.

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- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wear freshly laundered clothes daily. Clothing should be washed separately from household laundry, before reuse.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **RESTRICTIONS**

Do not apply more than one application per season.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from the area treated. Do not apply where runoff is likely to occur. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of waste. DO NOT APPLY COMMAND 360 ME BY AIR OR THROUGH ANY TYPE OF IRRIGATION EQUIPMENT.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

### **ENVIRONMENTAL HAZARDS**

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#### **GRAZING/FEEDING RESTRICTION**

Do not graze the treated crop or cut for hay; sufficient data are not available to support such use.

# **STORAGE**

If possible, store above 5°C to keep product from freezing. If frozen, thaw before use. If solid crystals are observed, warm material to above 15 °C by placing container in warm location. Shake or roll container periodically to redissolve solids.

Do not use or store near heat or open flame.

Store in original containers only. Store in a dry location. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink

containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

#### **DISPOSAL**

- 6. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
- 7. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
- 8. Make the empty container unsuitable for further use.
- 9. Dispose of the container in accordance with provincial requirements.
- 10. 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.

**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.

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS).

#### **DIRECTIONS FOR USE**

#### APPLICATION AND DRIFT PRECAUTIONS

- DO NOT apply more than one application per season
- DO NOT apply during periods of dead calm or when winds are gusty.
- DO NOT APPLY BY AIR Use ground equipment only.
- COMMAND 360 ME must be applied as per the directions on this label.
- Failure to properly apply COMMAND 360 ME may result in off-target movement of this product.
- Plants sensitive to foliar damage from COMMAND 360 ME are listed in the following table:

**Trees:** Fruit trees, cherry (fruit, black, pin, choke)\*, poplar\*, willow\*, ash, maple, basswood, walnut, elm, ornamentals, hickory, and spruce

Vegetables and Flowers: All

**Cereal Crops:** Wheat, oats, barley, winter wheat, rye, and triticale

Forage Crops: Alfalfa

**Shrubs and Vines:** Ornamentals, raspberry\*, grapes\*, roses\*, and strawberry

Off-target movement of COMMAND 360 ME may occur either directly through spray drift at the time of application, or through the volatilization of applied product and subsequent vapour drift. OFF-TARGET DRIFT OF COMMAND 360 ME MUST BE AVOIDED TO PREVENT FOLIAR DAMAGE TO NEIGHBORING VEGETATION.

<sup>\*</sup>Extremely sensitive plants

#### SPRAY DRIFT MITIGATION MEASURES

Spray drift is influenced by many factors, including wind speed, spray pressure, particle size, nozzle type, and applicator boom height. To minimize the risk of off-site migration from spray drift:

- Use a low sprayer pressure **Do not exceed 207kPa spray pressure.**
- Select an operating pressure and volume that meet a droplet size classification of coarse or greater.

# Consider using low-drift nozzles.

- Do not apply during periods of dead calm, or when winds are gusty or in excess of 16 km/hr.
- Minimize sprayer boom height while maintaining a uniform spray pattern.
- Apply during calmer periods of the day (e.g., early morning or late in day).
- Do not apply during a temperature inversion (see text on **TEMPERATURE INVERSIONS**).

#### **BUFFER ZONES**

To mitigate against off-site movement of spray drift, observe buffer zones specified under 'VAPOUR DRIFT MITIGATION'. When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

#### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. Their presence can be indicated by ground fog, or characterized by lateral movement of smoke layers in a concentrated cloud. Application should be avoided during temperature inversions, as insufficient vertical mixing may result in off-target movement of COMMAND 360 ME.

# **VAPOUR DRIFT MITIGATION**

COMMAND 360 ME will volatilize from soils. To minimize the risk of off-site movement of vapours:

- Do not apply COMMAND 360 ME when air temperatures exceed 25° C.
- DO NOT SPRAY COMMAND 360 ME WITHIN 90 metres OF SENSITIVE PLANTS or SENSITIVE TERRESTRIAL HABITATS.
- DO NOT APPLY COMMAND 360 ME WITHIN 370 metres OF THE FOLLOWING AREAS:
  - Residential areas of towns and subdivisions
  - Areas of established vegetable production
  - o Fruit production, commercial nurseries, or greenhouses

# **ROTATIONAL CROPPING PRECAUTIONS**

**NOTE:** When using COMMAND 360 ME with other registered herbicides always refer to rotational restrictions and precautions on the other product's label.

Under some conditions, temporary whitening or yellowing of leaves may occur on approved rotational crops where undesirable soil residues of COMMAND 360 ME exist.

Under abnormal conditions, carryover injury to rotational crops can occur. The following factors can contribute to increased risk of injury to rotational crops:

- 1. Exceeding label recommended rates.
- 2. Overapplication resulting from use of worn nozzles, excessive overlapping of spray swaths, failing to shut off spray booms when turning (end row areas), or slowing or stopping sprayer.
- 3. Soil with pH less than or equal to 5.9.
- 4. Extreme dryness in the four months following application.
- 5. Choice of rotational crop hybrid.

Additional recommendations to prevent rotational crop injury may be provided in the form of service bulletins for locations where risk of injury is significantly increased due to extremely dry conditions.

Rate of COMMAND 360 ME Applied	Plant Back Interval	Rotational Crops
	Immediately	Soybeans, spring canola
	4 months	Winter wheat
0.25 – 0.33 L/ha	Following spring	Beans (white, kidney, snap), corn (field, sweet), peas, peppers (transplant, plugs), broccoli (transplant, plugs), cucumbers, melons, pumpkins, squash, potatoes, spring wheat, durum wheat, spring barley, oats, lentils
	Immediately	Soybeans
0.78 - 2.35 L/ha	Following Spring	Beans (white, kidney, snap), corn (field, sweet), peas, peppers (transplant, plugs), broccoli (transplant, plugs), cucumbers, melons, pumpkins, squash, potatoes, spring canola, spring wheat
	16 months	All other crops

Under normal conditions, COMMAND 360 ME will not harm approved crops grown in rotation. Compaction, non-uniform tillage, seedling disease, cold weather, deep planting, excessive moisture, or drought may weaken crop seedlings and increase risk of damage from COMMAND 360 ME, resulting in delayed crop development or reduced yield. Drought conditions in the year prior to seeding rotational crops may result in higher levels of COMMAND 360 ME in the soil. To reduce the possibility of injury to rotational crops, use good agronomic practices.

Use a well-maintained, properly calibrated sprayer set to apply COMMAND 360 ME at recommended rates and water volumes. Do not exceed label recommended rates. Avoid overlapping or situations resulting in excessive application, which could result in crop and /or rotational crop injury.

#### SPRAYER CLEANUP

Failure to observe the following may injure sensitive plants or trees. Do not park, drain or flush equipment on or near sensitive trees or other plants. Avoid areas in which desirable plant roots may extend into flush and cleaning location. Do not rinse and clean in areas where the herbicide may be washed or moved into contact with plant roots. Do not contaminate any body of water.

After spraying COMMAND 360 ME and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

- 1. Drain sprayer tank, hoses, and spray boom. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then thoroughly flush all sprayer hoses, booms, and nozzles with clean water.
- 2. Prepare a sprayer cleaning solution by adding heavy-duty detergent or three litres of ammonia (containing at least 3% active) per 100 litres of clean water. Prepare sufficient cleaning solution to allow the operation of the spray system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
- Convenient and thorough cleaning of the sprayer can be achieved if the cleaning solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.
- 4. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray tips and all strainers and screens separately in an ammonia solution.
- 5. When switching from water dilutions to applications utilizing crop oil or liquid fertilizer as a carrier, a small volume of crop oil or liquid fertilizer should be flushed through the tank, pump, hoses, and boom prior to the next use.
- 6. Properly dispose of all cleaning solution and rinsate, including crop oil or liquid fertilizer rinsate, in accordance with provincial guidelines and regulations.

# **GENERAL MIXING INSTRUCTIONS**

Care must be taken when mixing COMMAND 360 ME. Avoid mixing in areas adjacent to desirable plants.

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean-out procedures specified on the label of the product previously applied before adding COMMAND 36ME to the tank.

**COMMAND 360 ME Alone:** Mix COMMAND 360 ME with water or liquid fertilizer in the following manner: Fill the spray tank one-half to three-fourths full with water or liquid fertilizer, add the proper amount of COMMAND 360 ME, then add the rest of the water or liquid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform spray mixture. Apply spray solution immediately after mixing.

**Tank Mixtures:** Fill spray tank one-half to two-thirds full with water; with agitator operating add the recommended amount of ingredients using the following order:

- Wettable powders and dispersible granules
- Agitate tank mix thoroughly
- **M**icro-encapsulated suspensions (e.g. COMMAND 360 ME)
- Liquid flowables and suspensions
- Emulsifiable concentrate formulations
  - Fill spray tank nearly full with water
- Glyphosate formulations
- Surfactants
  - Complete filling the spray tank to the desired level

Maintain agitation during filling, mixing and application. When using drift reducing agents, follow specific product label instructions for order of addition to spray tank.

# **GENERAL APPLICATION INSTRUCTIONS Ground Application Only**

Use a well-maintained, properly calibrated sprayer set to apply COMMAND 360 ME at recommended rates and water volumes. Apply COMMAND 360 ME by ground equipment using a finished spray volume of 95 to 375 L of water per hectare. Coarse sprays are less likely to drift out of target area than fine sprays. See "APPLICATION AND DRIFT PRECAUTIONS" and "SPRAY DRIFT MITIGATION MEASURES" sections for specific recommendations to reduce spray drift. Do not exceed label recommended application rates. Avoid overlapping or situations resulting in excessive application, which could result in crop and/or rotational crop injury.

COMMAND 360 ME may be used as a preemergent soil surface applied treatment from 30 days before planting to just prior to crop emergence. If field conditions indicate the need for additional seedbed preparation, the use of equipment, which will move the herbicide no deeper than 5 cm, is acceptable.

Crops growing under stress from adverse environmental conditions such as excess moisture, drought, disease, etc. or adverse agronomic practices such as poor seed placement, poor fertility, soil compaction, etc. may exhibit injury symptoms from COMMAND 360 ME application. Such effects are often observed as transient whitening of crop leaves but under severe

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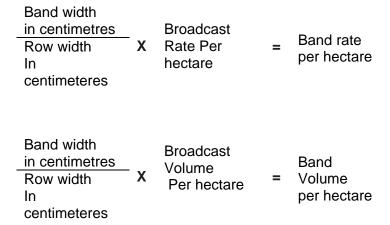
conditions may contribute to crop loss. Following good agronomic practices, as recommended by local provincial extension personnel, will reduce the risk of crop injury

# **RESTRICTIONS**

Do not allow livestock to graze on treated soybean vines or feed treated vines or vine trash to livestock.

# **Banded Applications**

Calculate the rates and volumes required by using the following formulas:



# **Cultivation After Planting**

If cultivation is necessary because of soil crusting, compaction, or weed emergence, soil treated with COMMAND 360 ME may be shallow-cultivated (no deeper than 5 cm) or rotary-hoed without reducing the weed control activity of COMMAND 360 ME. Avoid deep cultivation which may bring untreated soil to the surface and result in poor weed control.

#### **CROP-SPECIFIC USE DIRECTIONS**

PEPPERS	
CROP	Peppers (Eastern Canada and Manitoba Only)
WEEDS CONTROLLED	Broadleaf weeds:  Velvetleaf Lambsquarters (including triazine –resistant biotypes) Lady's thumb (smartweed) Eastern black nightshade Grass weeds: Barnyardgrass Green foxtail Yellow foxtail
WEEDS SUPPRESSED <sup>2</sup>	Broadleaf weeds:  • Redroot pigweed

	Common ragweed		
APPLICATION TIMING	Apply as a single, soil-applied, pre-emergent treatment before transplanting and prior to weed emergence.  Place roots of the transplants below the chemical barrier when planting.		
APPLICATION VOLUME	Apply in a minimum of 95	L of water per hectare	
APPLICATION	Apply broadcast at 1.55 to light (coarse) <sup>3</sup> soils and th according to the following:	e higher recommended ra	er recommended rate on ate on heavy (fine) <sup>5</sup> soils
RATES	Light <sup>3</sup>	Medium⁴	Heavy⁵
	1.55 L/ha	1.95 L/ha	2.35 L/ha
RESTRICTIONS	DO NOT use on banana peppers.  DO NOT make more than one application per season.  Apply before transplant and prior to weed emergence.  DO NOT apply within 70 days of harvest for peppers.  DO NOT incorporate COMMAND 360 ME.  DO NOT apply to sandy soil.  Ground equipment only.		
NOTES	Susceptible weed species pigmentation and plant de <sup>1</sup> Controlled only at the 2.3 mixed <sup>2</sup> Suppression is a visual rand/or vigor) as compared as suppressed that remai as crop competition, weed the time of weed emergen <sup>3</sup> Light (coarse) soils: sand <sup>4</sup> Medium soils: loam, silt I <sup>5</sup> Heavy (fine) soils: silty cla	ath occurs in a short period ath occurs in a short period at a compet to an untreated area. Coming a crop will vary deposit biotype, the number of water relative to crop emergery loam oam, silt, sandy clay loam	od of time.  O 360 ME when not tank- tition (reduced population ompetition by weeds listed ending upon factors such weed seeds in the soil and ence.

SOYBEANS		
CROP	Soybeans	
WEEDS CONTROLLED	Broadleaf weeds:  Velvetleaf Lambsquarters (including triazine –resistant biotypes) Lady's thumb (smartweed) Eastern black nightshade	

	Grass weeds:				
	<ul><li>Barnyardgrass</li><li>Green foxtail</li></ul>				
	Yellow foxtail				
	Broadleaf weeds:				
WEEDS SUPPRESSED <sup>2</sup>	Redroot pigweed				
- COLL KEGGED	Common ragweed				
APPLICATION TIMING	Apply between seeding ar	nd when the soybeans em	erge.		
APPLICATION VOLUME	Apply in a minimum of 95	L of water per hectare			
APPLICATION	Apply broadcast at 1.55 to light (coarse) <sup>3</sup> soils and the according to the following:	e higher recommended ra			
RATES	Light <sup>3</sup>	Medium <sup>4</sup>	Heavy⁵		
	1.55 L/ha	1.95 L/ha	2.35 L/ha		
RESTRICTIONS	Natto soybean varieties have demonstrated injury from COMMAND 360 ME and are not recommended for planting into soils treated with COMMAND 360 ME. Check with the seed supplier and/or FMC for the tolerance of new varieties (particularly for specifically bred cultivars) to COMMAND 360 ME. DO NOT incorporate COMMAND 360 ME or COMMAND 360 ME tank mixes.				
REPLANTING	If initial seeding of soybeans fails to produce a stand, soybeans may be replanted in fields treated with COMMAND 360 ME alone (or with recommended tank mixtures). DO NOT retreat field with a second application of COMMAND 360 ME.				
INSTRUCTIONS	When tank mixing with a labeled product refer to the soybean replant instructions for that product.				
	DO NOT replant treated fields with any crop at intervals, which are inconsistent with the Rotational Crop Guidelines on this label.				
	Susceptible weed species may emerge from the soil but are devoid of				
	pigmentation and plant death occurs in a short period of time.  ¹Controlled only at the 2.35 L rates of COMMAND 360 ME when not tank-				
	mixed  2Cuppression is a visual reduction in wood competition (reduced population)				
NOTES	<sup>2</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.				
	<sup>3</sup> Light (coarse) soils: sandy loam <sup>4</sup> Medium soils: loam, silt loam, silt, sandy clay loam.				
	Modium 30113. Toam, Silt II	Jam, Siit, Sandy Gay Man	I.		

TANK MIXTURES	S - SOYBEANS
GENERAL INFORMATION	COMMAND 360 ME may be tank mixed with the following herbicides to broaden the weed control spectrum.  When applying mixtures of COMMAND 360 ME with other herbicides, observe all precautions and limitations appearing on the labels of each product.  Do not incorporate tank mixtures of COMMAND 360 ME and other products.  Observe all application precautions, rotational guidelines and replanting instructions of each product's label when using tank mixes.  Pre-emergence ONLY (conventional tillage, reduced tillage and no-till operations)
GENERAL TANK-MIX DIRECTIONS	Follow all label directions, precautionary statements, variety and rotational crop restrictions on both product labels when using companion products. For a broader spectrum of weed control and to improve control of indicated weeds, COMMAND 360 ME may be tank mixed.  For dry formulations nozzle screens, filters or line strainers should be 50 mesh or coarser.  Fill the spray tank half full with water. With the agitation system operating, add the recommended amount of ingredients using the following order:  • Wettable powders and dispersible granules  • Agitate tank mix thoroughly  • Micro-encapsulated suspensions (e.g. COMMAND 360 ME)  • Liquid flowables and suspensions  • Emulsifiable concentrate formulations  • Fill spray tank nearly full with water  • Glyphosate formulations  • Surfactants  • Complete filling the spray tank to the desired level  Maintain continuous agitation during the filling, mixing and application.  Apply tank mixtures to the soil surface after seeding but before the soybeans emerge.
	ME PLUS SENCOR 500 F OR SENCOR 75 DF, OR LEXONE DF TANK MIX
CROP	Soybeans
WEEDS CONTROLLED	<ul> <li>Broadleaf weeds:</li> <li>Velvetleaf</li> <li>Lambsquarters (including triazine –resistant biotypes)</li> <li>Lady's thumb (smartweed)</li> <li>Eastern black nightshade</li> </ul>

	Redroot pigweed			
	Common ragweed			
	Grass weeds:			
	Barnyard grass			
	Green foxtail			
	Yellow foxtail			
	Product	Light <sup>1</sup>	Medium <sup>2</sup>	Heavy <sup>3</sup>
A DDI IO A TIONI	COMMAND 360 ME	1.55 L/ha	1.95 L/ha	2.35 L/ha
APPLICATION RATES	Sencor 500F (or)	560 mL/ha	800 mL/ha	800 mL/ha
	Sencor 75DF (or)	375 g/ha	530 g/ha	530 g/ha
	Lexone DF	375 g/ha	530 g/ha	530 g/ha
RESTRICTIONS	DO NOT apply on light¹ soils containing less than 2% organic matter.  DO NOT use when planting metribuzin sensitive soybean varieties.  Increased metribuzin activity (crop injury) is possible on high pH soils and/or soils with atrazine residues.  On variable soil with light sandy areas, some injury may occur on sandy areas if the rate used is for the heavier soil types in the field.			
NOTES	<sup>1</sup> Light (coarse) soils: sandy loam <sup>2</sup> Medium soils: loam, silt loam, silt, sandy clay loam. <sup>3</sup> Heavy (fine) soils: silty clay, clay loam, silty clay, clay			
COMMAND 360 ME PLUS LOROX DF TANK MIX				
CROP	Soybeans			
WEEDS CONTROLLED	Broadleaf weeds:  Velvetleaf Lambsquarters (in Lady's thumb (sm Eastern black nig Redroot pigweed Common ragweed Grass weeds: Barnyardgrass Green foxtail Yellow foxtail	nartweed) htshade	resistant biotypes	)

	Product	Light <sup>1</sup>	Medium <sup>2</sup>	Heavy <sup>3</sup>
APPLICATION RATES	COMMAND 360 ME	1.55 L/ha	1.95 L/ha	2.35 L/ha
	Lorox DF	1.8 kg/ha	2.2 kg/ha	2.2 kg/ha
RESTRICTIONS	Use the lower recommended rate of LOROX DF on light coloured soils with moderate organic matter (2 to 5%).  DO NOT use LOROX DF on coarse textured soils low in organic matter, as crop injury may result.			
NOTES	<sup>1</sup> Light (coarse) soils: san <sup>2</sup> Medium soils: loam, silt <sup>3</sup> Heavy (fine) soils: silty of	t loam, silt, sandy	-	
COMMAND 360 N	ME PLUS PURSUIT 240 T	TANK MIX		
CROP	Soybeans			
WEEDS CONTROLLED	Broadleaf weeds:  Velvetleaf  Lambsquarters (including triazine –resistant biotypes)  Lady's thumb (smartweed)  Eastern black nightshade  Redroot pigweed  Common ragweed  Wild mustard  Grass weeds:  Barnyardgrass  Green foxtail  Yellow foxtail  Old witchgrass			
WEEDS SUPPRESSED <sup>1</sup>	Grass weeds:  • Proso millet			
	Product	Light <sup>2</sup>	Medium <sup>3</sup>	Heavy <sup>4</sup>
APPLICATION RATES	COMMAND 360 ME	1.55 L/ha	1.95 L/ha	2.35 L/ha
	Pursuit 240	312 mL/ha	312 mL/ha	312 mL/ha
NOTES	<sup>1</sup> Suppression is a visual and/or vigor) as compare as suppressed that rem as crop competition, wee	ed to an untreated ain in a crop will	l area. Competitic vary depending ເ	on by weeds listed upon factors such

	the time of weed emerge	ence relative to cro	on emergence	
	<sup>2</sup> Light (coarse) soils: sandy loam			
	<sup>3</sup> Medium soils: loam, silt loam, silt, sandy clay loam.			
	<sup>4</sup> Heavy (fine) soils: silty clay, clay loam, silty clay, clay			
COMMAND 360 N	ME PLUS DUAL II MAGN		,,,	
CROP	Soybeans			
	Broadleaf weeds:			
	<ul> <li>Velvetleaf</li> </ul>			
	<ul> <li>Lambsquarters (ir</li> </ul>	ncluding triazine –	resistant biotypes	)
	<ul> <li>Lady's thumb (sm</li> </ul>	nartweed)		
	Eastern black nig	•		
WEEDS	Redroot pigweed			
CONTROLLED	Grass weeds:			
	Barnyardgrass			
	Green foxtail			
	Yellow foxtail			
	Giant foxtail			
	Old witchgrass			
WEEDS	Broadleaf weeds:			
SUPPRESSED <sup>1</sup>	Common ragwee	d		
	Product	Light <sup>2</sup>	Medium <sup>3</sup>	Heavy⁴
APPLICATION RATES	COMMAND 360 ME	1.55 L/ha	1.95 L/ha	2.35 L/ha
	Dual II Magnum	1.75 L/ha	1.75 L/ha	1.75 L/ha
	<sup>1</sup> Suppression is a visual	reduction in wee	ad competition (re	duced population
	<sup>1</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed			
	as suppressed that remain in a crop will vary depending upon factors such			
NOTES	as crop competition, weed biotype, the number of weed seeds in the soil and			
NOTEO	the time of weed emergence relative to crop emergence.			
	<sup>2</sup> Light (coarse) soils: sandy loam			
	<sup>3</sup> Medium soils: loam, silt loam, silt, sandy clay loam. <sup>4</sup> Heavy (fine) soils: silty clay, clay loam, silty clay, clay			
	ricary (iiiic) solis. silty t	day, day idam, si	ity diay, diay	

COMMAND 360 N TREATMENTS	ME APPLICATION FOLLOWED BY POSTEMERGENCE
GENERAL INFORMATION	Postemergence herbicides approved for use on soybeans may be applied following treatments of COMMAND 360 ME alone or in tank mix

combinations for control of emerged weeds as listed on the postemergence
product labels. Read and follow the precautionary statements, directions for
use, rates of application and all other information appearing on the product
labels.

CUCUMBERS	
CROP	Cucumbers (field)
WEEDS SUPPRESSED <sup>1</sup>	Broadleaf weeds:  • Velvetleaf  • Lambsquarters (including triazine –resistant biotypes)  Grass weeds:  • Barnyardgrass
APPLICATION TIMING	Apply as a single, soil-applied, pre-emergent treatment after seeding and prior to crop and weed emergence.
APPLICATION VOLUME	Apply in 95 - 375 L of water per hectare
APPLICATION RATES	Apply broadcast at 0.78 – 1.17 L/ha. Use the lower recommended rate on light (coarse) <sup>2</sup> soils and the higher recommended rate on heavy (fine) <sup>3</sup> soils
RESTRICTIONS	DO NOT make more than one application per season.  Apply after seeding but prior to cucumbers emergence.  DO NOT apply within 45 days of harvest for cucumbers.  DO NOT incorporate COMMAND 360 ME.  DO NOT apply to sandy soil.
NOTES	Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil.  Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time. <sup>1</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence. <sup>2</sup> Light (coarse) soils: sandy loam  Medium soils: loam, silt loam, silt, sandy clay loam. <sup>3</sup> Heavy (fine) soils: silty clay, clay loam, silty clay, clay

MELONS	
CROP	Muskmelons , watermelons
WEEDS	Broadleaf weeds:

SUPPRESSED <sup>1</sup>	Velvetleaf			
	<ul> <li>Lambsquarters (including triazine –resistant biotypes)</li> </ul>			
	Grass weeds:			
	Barnyardgrass			
APPLICATION TIMING	Apply as a single, soil-applied, pre-emergent treatment after seeding and prior to crop and weed emergence.			
APPLICATION VOLUME	Apply in 95 - 375 L of water per hectare			
APPLICATION RATES	Apply broadcast at 0.78 L/ha on all soil types			
	DO NOT make more than one application per season.			
	Apply after seeding but prior to melon emergence.			
RESTRICTIONS	DO NOT apply within 60 days of harvest for melons.			
	DO NOT incorporate COMMAND 360 ME.			
	DO NOT apply to sandy soil.			
	COMMAND 360 ME may cause unacceptable injury symptoms to muskmelon and watermelon that may lead to a yield loss. Consult your seed supplier or local crop production specialist for information on the tolerance of muskmelon and watermelon to COMMAND 360 ME.			
	Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil.			
NOTES	Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time.			
	<sup>1</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.			

SQUASH AND PROCESSING PUMPKINS		
CROP	Squash, processing pumpkins	
WEEDS SUPPRESSED <sup>1</sup>	Broadleaf weeds:  • Velvetleaf  • Lambsquarters (including triazine –resistant biotypes)  Grass weeds:  • Barnyardgrass	
APPLICATION TIMING	Apply as a single, soil-applied, pre-emergent treatment after seeding and prior to crop or transplanting and prior to weed emergence.	

APPLICATION VOLUME	Apply in 95 - 375 L of water per hectare		
APPLICATION RATES	Apply broadcast at 0.78 – 1.17 L/ha. Use the lower recommended rate on light (coarse) <sup>2</sup> soils and the higher recommended rate on fine (heavy) <sup>3</sup> soils		
RESTRICTIONS	DO NOT make more than one application per season.  Apply after seeding but prior to squash or pumpkin emergence.  DO NOT apply within 45 days of harvest for squash or processing pumpkins.  DO NOT incorporate COMMAND 360 ME.  DO NOT apply to sandy soil.  DO NOT use on Jack-O-Lantern Pumpkins.  DO NOT use on the following cultivars or varieties as unacceptable whitening of the fruit may occur: NK530, NK580, Turks Turban, Golden Delicious, all Banana types, and all other <i>Curcurbita maxima</i> types that have a pink or burnt orange coloration at harvest.		
NOTES	Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil.  Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time. <sup>1</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence. <sup>2</sup> Light (coarse) soils: sandy loam  Medium soils: loam, silt loam, silt, sandy clay loam. <sup>3</sup> Heavy (fine) soils: silty clay, clay loam, silty clay, clay		

SWEET POTATOES		
CROP	Sweet potatoes	
WEEDS CONTROLLED	Broadleaf weeds:  Velvetleaf  Lambsquarters (including triazine –resistant biotypes)  Lady's thumb (smartweed)  Eastern black nightshade  Grass weeds:  Barnyardgrass  Green foxtail	
WEEDS SUPPRESSED <sup>1</sup>	Broadleaf weeds:  • Redroot pigweed	

	Common ragweed			
	Yellow foxtail			
APPLICATION TIMING	Apply as a single, soil-applied application after transplanting and prior to weed emergence.			
APPLICATION VOLUME	Apply in a minimum of 95 L of water per hectare			
APPLICATION RATES	Apply broadcast at 1.55 L/ha to coarse (light) <sup>2</sup> soils			
RESTRICTIONS	DO NOT make more than one application per season.			
	Apply post transplant to sweet potatoes.			
	DO NOT apply within 95 days of harvest for sweet potatoes.			
	DO NOT incorporate COMMAND 360 ME.			
	Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time.			
NOTES	<sup>1</sup> Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.			
	<sup>2</sup> Coarse (light) soils: sandy loam			

CANOLA		
CROP	Canola	
GENERAL INFORMATION	COMMAND 360 ME is to be used as part of a system approach for the control of cleavers in all Herbicide Tolerant canola varieties. Application of a post-emergence herbicide that is effective on cleavers, e.g. a herbicide to which the canola variety is tolerant, is required for season-long control.	
WEEDS CONTROLLED	Broadleaf weeds:  • Cleavers <sup>1</sup>	
APPLICATION TIMING	Apply as a single, soil-applied application prior to seeding canola and prior to weed emergence.	
APPLICATION VOLUME	Apply in a minimum of 100 L of water per hectare.	
APPLICATION RATES	Apply broadcast at a rate range of 0.25 - 0.33 L/ha.  Application of 0.25 L/ha will suppress cleavers and can be used if cleaver populations are light.	
RESTRICTIONS	DO NOT make more than one application per season. Apply prior to seeding canola. DO NOT incorporate COMMAND 360 ME.	

	DO NOT apply to sandy soil.			
	Control may be reduced in high Organic Matter soils.			
	Temporary whitening and/or yellowing of the crop may occur when emerging from the treated soil.			
	Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time.			
NOTES	<sup>1</sup> Suppression only at 0.25 L/ha. Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.			

# NOTICE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use(s) described on this label were developed by persons other that FMC Corporation and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. FMC Corporation itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed on the label. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold FMC Corporation harmless from any claims based on efficacy or phytotoxicity in connection with the use(s) described on the label.

# **ASPARAGUS (NATIONAL)**

#### **GENERAL INFORMATION**

Command 360 ME herbicide may be applied as a soil applied treatment prior to weed emergence for suppression or control of annual grass and broadleaf weeds in asparagus.

Make a single herbicide application in a volume of 95 – 375 litres of water per hectare at the rate(s) specified in the COMMAND 360 ME Rates For Use in the Asparagus section below. Apply as a broadcast application to the soil prior to spear emergence. If spears have emerged, make an application after a clean harvest. Cover exposed plants with soil prior to application. Make application at least 14 days prior to harvest.

#### **DIRECTIONS FOR USE**

# **WEEDS CONTROLLED**

Susceptible weed species may emerge from the soil but are devoid of pigmentation and plant death occurs in a short period of time.

Broadleaf V	Needs	Grass Weeds
Di Gaultai V	veeus	GIASS WEEUS

Velvetleaf

Lamb's-quarters\* Barnyard grass

Lady's-thumb (smartweed) Nightshade, Eastern Black

Foxtail - Green, Yellow+

#### WEEDS SUPPRESSED\*\*

Pigweed (redroot), Common ragweed

- \* Includes triazine-tolerant biotypes.
- \*\* Suppression is a visual reduction in weed competition (reduced population and/or vigor) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, weed biotype, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.
- + controlled only at the 2.35L rates of Command 360 ME when not tank-mixed.

# **COMMAND 360 ME RATES FOR USE IN ASPARAGUS**

Apply broadcast at 1.55 to 2.35 L/ha. Use the lower recommended rate on coarse\* soils and the higher recommended rate on fine\* soils.

	LIGHT	MEDIUM	<b>HEAVY</b>
COMMAND 360 ME	1.55 L/ha	1.95 L/ha	2.35 L/ha

<sup>\*</sup> Coarse (light) soils: sandy loam.

Medium soils: loam, silt loam, silt, sandy clay loam. Fine (heavy) soils: silty clay, clay loam, silty clay, clay.

#### Note:

Do not make more than one application per season.

Do not apply within 14 days of harvest for asparagus.

Do not incorporate COMMAND 360 ME Herbicide.

Ground equipment only.

#### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that COMMAND 360 ME is a Group 13 herbicide. Any weed population may contain or develop plants naturally resistant to COMMAND 360 ME and other Group 13 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields. 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 COMMAND 360 ME or other Group 13 herbicides within a growing season or among growing seasons with different herbicide groups that control the same weeds in a field.
- 2. 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.
- 3. 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.
- 4. Monitor treated 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 and planting clean seed.
- 5. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- 6. Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for the specific crops and weed biotypes.
- 7. For further information or to report suspected resistance contact FMC Corporation via internet at <a href="https://www.fmccrop.ca">www.fmccrop.ca</a>.

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