

15-MAR-2005

FMC

Command E.C.**

Herbicide

**A Selective Liquid Herbicide for Pre-plant
Soil Incorporated Weed Control in Soybeans in Eastern Canada**

GUARANTEE: Clomazone.....480 grams per litre

AGRICULTURAL

REGISTRATION NO. 22347 PEST CONTROL PRODUCTS ACT

CAUTION POISON

READ THE LABEL BEFORE USING

Keep Out of Reach of Children

NET CONTENTS: 10 Litres

Manufactured By:

FMC Corporation

Agricultural Chemical Group

1735 Market Street

Philadelphia, PA 19103

**Command is a registered trademark of FMC Corporation,
Philadelphia.

WARNING: EYE AND SKIN IRRITANT

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed or absorbed through the skin. Irritating to
eyes and skin. Avoid breathing vapour or spray mist.

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 1-866-375-4648 or
www.cropro.org/.

Wear chemically resistant gloves, safety goggles or face shield, and coveralls or full arm and leg length clothing when mixing, loading, and during clean up or repair. Wash gloves thoroughly with water before removal. Wash hands thoroughly with soap and water after handling. Do not eat, drink or smoke while using this product. Wear freshly laundered clothes daily. Clothing should be washed separately from household laundry, before reuse.

FIRST AID

If in contact with eyes, flush with water and obtain medical attention. **If swallowed**, immediately drink a large amount of milk or water. Avoid alcohol. Do not induce vomiting. Call a physician or contact a poison control centre. **If inhaled**, remove individual to fresh air. If not breathing, provide artificial respiration (mouth to mouth). Obtain medical attention. **If splashed on skin**, remove contaminated clothing. Wash the skin with plenty of soap and water.

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

TOXICOLOGICAL INFORMATION

This formulation contains mixed aromatic hydrocarbons, including xylene. Inhalation of aromatic hydrocarbon vapours may cause central nervous system depression, dizziness, disturbances in vision and respiratory irritation. Contact with eyes and skin may be irritating. Exposure to butanol vapours may cause drowsiness.

This product may be irritating. Direct contact with the eyes may produce corneal damage, especially if not washed out immediately. Inert ingredients contain xylene-range aromatic solvents which may produce a chemical pneumonitis; therefore, emesis is not recommended, and lavage requires intubation. Activated charcoal and cathartics will assist gastrointestinal tract evacuation.

In case of emergency call 1-800-331-3148 (24 hours).

ENVIRONMENTAL HAZARD

Do not apply directly to water or wet lands. Do not apply when weather conditions favour drift from the treated area. 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 wastes.

DO NOT APPLY COMMAND E.C. BY AIR.

STORAGE

DO NOT FREEZE. Active ingredient crystallization may occur at

temperatures below 4 C. If solid crystals are observed place material in a warm area (at least 15 C) for several hours. Agitate the contents by inverting the container several times to redissolve the solids.

Store in original containers only. Store in a dry location. Carefully open containers. If partially used, replace lids and close tightly. Do not contaminate other pesticides, fertilizers, water, feed or food during storage or disposal.

RINSE, DRAIN AND DISPOSAL PROCEDURE

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions 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.
4. 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.

GRAZING/FEEDING RESTRICTION

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

APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

WARNINGS

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 soil containing more than 10% organic matter.

If Command E.C. 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 E.C. application.

Do not apply to wet soils or soils in poor working condition.

FOR USE IN SOYBEANS

Natto soybean varieties have demonstrated injury to Command E.C. and are not recommended for planting into soils treated with Command E.C. Check with the seed supplier and/or FMC Corporation for the tolerance of new varieties (particularly for specifically bred cultivars) to Command E.C.

ROTATIONAL CROPS

Under normal conditions, Command E.C. 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 E.C., resulting in delayed crop development or reduced yield. Drought conditions in the year to seeding rotational crops may result in higher levels of Command E.C. in the soil. To reduce the possibility of injury to rotational crops, use good agronomic practices.

Following the application of Command E.C. alone or as a tank mix combination, do not plant any cereal crop (wheat, barley, oats, rye or triticale) in the fall of the year or the following spring. Any crop may be planted 16 months after application of Command E.C.

Crops which may be grown in rotation the following spring are: soybeans, white beans, kidney beans, snap beans, field corn, sweet corn, peas, peppers (transplants/plugs), broccoli (transplants/ plugs), cucumbers, pumpkins, squash, potatoes, spring canola.

APPLICATION AND DRIFT PRECAUTIONS

Command E.C. **MUST** be applied and incorporated as per the directions on this label. **FAILURE TO PROPERLY INCORPORATE COMMAND E.C. MAY RESULT IN OFF-TARGET MOVEMENT OF PRODUCT.**

FOLIAR CONTACT WITH SPRAY DRIFTS OR **VAPOURS** MAY CAUSE **WHITENING** TO THE FOLIAGE OF SENSITIVE PLANT SPECIES GROWING IN CLOSE PROXIMITY TO TREATED FIELDS. PRIOR TO APPLICATION, CHECK ADJACENT PROPERTIES TO ENSURE THAT SENSITIVE DESIRABLE PLANTS **ARE NOT WITHIN 30 METRES OF THE AREA** INTENDED FOR TREATMENT WITH COMMAND E.C.

DO NOT SPRAY COMMAND E.C. WITHIN 30 METRES OF SINGLE DWELLINGS OR SENSITIVE PLANTS.

Sensitive plants include the following:

Trees: Fruit trees, Cherry (Fruit, Black, Pin, Choke)*, Poplar*, Willow*, Ash, Maples, Basswood, Walnut, Elm, Ornamentals, Hickory and Spruce.

Vegetables and Flowers:

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

Forage Crops: Alfalfa

Shrubs & Vines: Ornamentals, Raspberry*, Grapes, Roses* and Strawberry

* Extremely sensitive species

DO NOT APPLY COMMAND E.C. WITHIN 300 METRES OF AREAS LISTED BELOW:

- **RESIDENTIAL AREAS OF TOWNS AND SUBDIVISIONS;**
- **AREAS OF ESTABLISHED VEGETABLE PRODUCTION;**
- **FRUIT PRODUCTION; COMMERCIAL NURSERIES; OR GREENHOUSES.**

Off-target spray drift of Command E.C. must be avoided to prevent whitening of desirable vegetation. Drift is influenced by many factors which include wind speed, spray pressure, particle size, nozzle type, and boom height.

Command E.C. must be soil incorporated. Do not apply Command E.C. to **no-till** fields, non field areas including fence rows, waterways, ditches, and roadsides.

Application to overly moist or wet soils will increase the potential for off-target movement of Command E.C., and may result in poor soil incorporation and erratic weed control. Do not apply and incorporate Command E.C. when the soil is crusted, lumpy or too wet for good mixing action. Command E.C. move in a vapor phase if it is not incorporated as per the instructions on this label.

The use of low sprayer pressure and coarse spray nozzles is recommended. **Do not exceed 207 kPa spray pressure.** Do not apply when winds are gusty or in excess of 10 km/hr. Avoid situations which produce fine spray droplets. Minimize sprayer boom height while maintaining a uniform spray pattern. It is often best to apply early in the morning or late in the evening - during the normally calmer parts of the day.

Use a well-maintained, properly calibrated sprayer set to apply Command E.C. 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 plants or trees. Avoid areas in which desirable plant roots may extend into the 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.

Rinse the spray tank and refill it with water adding a heavy duty detergent. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes and spray out. Clean pump and nozzles thoroughly.

DIRECTIONS FOR USE

Command E.C. is a pre-plant soil incorporated herbicide which must be mixed into the soil to provide long-lasting control of many annual grasses and broadleaf weeds. **COMMAND E.C. MUST BE INCORPORATED INTO THE SOIL TO MINIMIZE THE RISK OF OFF-TARGET MOVEMENT.** Command E.C. does not control established weeds. If Command E.C. is tank mixed and applied with Treflan* E.C. or Edge* D.C. Herbicide or Edge D.F. Herbicide, 2 incorporations are necessary (follow the respective Treflan and Edge label instructions). A single incorporation is satisfactory for Command E.C. alone or Command E.C. in tank mix with SENCOR/LEXONE. A second incorporation will, however, generally improve herbicide-soil blending, and improve weed control (particularly on lighter soil types).

LAND PREPARATION

Apply Command E.C. on conventionally tilled fields only. DO NOT APPLY COMMAND E.C. TO NO-TILL FIELDS. Cultivate to destroy existing weeds before Command E.C. application. Soil must be in good tilth to allow for thorough mixing of the soil.

APPLICATION

Add the recommended amount of Command E.C. to clean water in the spray tank during the filling operation and agitate thoroughly. Use a spray volume of 110-400 litres/hectare (broadcast basis) and a properly calibrated low-pressure herbicide sprayer that will apply the spray uniformly. **APPLY COMMAND E.C. TO THE SOIL SURFACE AND INCORPORATE IN THE SAME OPERATION USING SPRAY EQUIPMENT MOUNTED ON THE INCORPORATION EQUIPMENT OR TRACTOR.**

INCORPORATION

COMMAND E.C. MUST BE INCORPORATED IMMEDIATELY AFTER APPLICATION Set the depth of equipment to uniformly incorporate Command E.C. alone or in combination with SENCOR/LEXONE at a depth of 5-8 cm. Set the depth of equipment to uniformly incorporate Command E.C.

in tank mix with either Treflan E.C. or Edge at a depth of 8-10 cm deep.

ONE PASS INCORPORATION

COMMAND E.C. MUST BE INCORPORATED USING A CULTIVATOR OR TANDEM DISK. The incorporated equipment must provide a thorough and uniform incorporation of Command E.C. at a depth of 5-8 cm. For cultivators, use a C or S shank type equipped with a levelling device such as harrows or a rolling basket attachment. The cultivator must be a minimum of 4 rows of sweeps spaced at 18 cm or less intervals, and staggered so that no soil is left unturned. Tandem discs may also be used, providing the blades are less than 50 cm in diameter and spaced 22 cm or less apart. Equipment design including any drag attachments must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Operate cultivators at 10 to 13 km/hour, and discs at 7 to 10 km/hour.

TWO PASS INCORPORATION

When using two pass incorporation the second incorporation should be done in a cross direction any time prior to planting. The depth of incorporation should be NO deeper than the first pass. See "One Pass Incorporation" for equipment recommendations.

CULTIVATION AFTER PLANTING:

Soil treated with Command E.C. may be shallow cultivated or rotary hoed. Do not cultivate deeper than the Command E.C. treated layer of soil since this may bring untreated soil to the surface and poor weed control may result.

GENERAL INFORMATION COMMAND E.C.

CROPS REGISTERED

Soybeans

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 Weeds

velvetleaf
lamb's-quarters*
lady's-thumb (smartweed)
wormseed mustard
wild buckwheat
ragweed**

Grass Weeds

barnyard grass
crabgrass
green foxtail
fall panicum
yellow foxtail

nightshade***

* Includes triazine-tolerant biotypes.

** To maximize control ensure that soil is in good tilth and free of clods and incorporate thoroughly. For more consistent control of heavy populations of ragweed, refer to tank mix and sequential application recommendations.

***To maximize nightshade control on sandy soils, a second incorporation at a 90 degree angle is recommended to improve herbicide-soil blending. Ensure that the depth of either incorporation does not exceed 8 cm. For more consistent control of heavy populations of nightshade (particularly on sandy soils), a sequential application of another registered nightshade herbicide is recommended.

COMMAND E.C. RATES FOR USE IN SOYBEANS

Command E.C. Applied Alone (Pre-plant incorporated)

| | SOIL TEXTURE* | | |
|--------------|---------------|--------|-------|
| | Light | Medium | Heavy |
| Command E.C. | 1.4 L | 1.6 L | 1.8 L |

*Light: sand, sandy loam

Medium: loam, silt loam, silt, sandy clay loam

Heavy: silty clay loam, clay loam, silty clay, clay

COMMAND E.C. PRE-PLANT INCORPORATED TANK MIXES

Command E.C. + SENCOR*

Command E.C. + TREFLAN**E.C.

Command E.C. + LEXONE***

Command E.C. + EDGE**

For a broader spectrum of weed control and to improve control of indicated weeds, Command may be tank mixed with Sencor/Lexone, Edge or Treflan E.C.

TANK MIXTURE DIRECTIONS

Follow all label directions, precautionary statements, varietal and rotational crop restrictions on both product labels when using companion products.

Apply tank mixtures to the soil surface and incorporate in the same operation using spray equipment mounted on the incorporation equipment or tractor. DO NOT APPLY COMMAND E.C. TANK MIXTURES TO NO-TILL FIELDS.

For dry formulations nozzle screens, filters or line strainers should be 50 mesh or coarser.

Fill the spray tank half full of water. With agitation system operating, add the recommended amount of ingredients using the following order:

Dry formulations including those in water soluble packaging (i.e. wetttable powders, dry flowables) first, liquid suspensions (i.e. flowables) next. Mix thoroughly and fill the tank three quarters full while continuing agitation. Add Command E.C. and other emulsifiable concentrates at this time. Complete filling the sprayer tank with water. Maintain continuous agitation during the filling, mixing and application.

COMMAND E.C. PLUS TREFLAN OR EDGE FOR SOYBEANS

Command E.C./Edge and Command E.C./Treflan E.C. combinations will provide improved control of pigweed and triazine tolerant pigweed and improved consistency of control of yellow foxtail.

Where proso millet is present, the Command E.C./Edge treatment is recommended.

Rate Per Hectare Applied Pre-Plant Incorporated

| | SOIL TEXTURE | | |
|------------------|--------------|-------------|-------------|
| | Light | Medium | Heavy |
| Command E.C. | 1.4 L | 1.6 L | 1.8 L |
| Treflan 545 E.C. | 1.1 L | 1.6 L | 2.0 L |
| Edge D.F. | 1.4 kg | 1.7 kg | 2.2 kg |
| Edge D.C. | 1.5 packets | 1.9 packets | 2.5 packets |

Follow the respective Treflan E.C. or Edge label for application and incorporation instructions.

Do not apply to soils containing less than 2 percent organic matter.

Application and immediate incorporation are necessary. The second incorporation should be done in a cross direction any time prior to planting. Use recommended implements set to cut 8 to 10 cm deep. The second pass should be no deeper than the first one.

COMMAND E.C. PLUS METRIBUZIN (SENCOR OR LEXONE) TANK MIX

Command plus metribuzin will provide improved control of cocklebur, pigweed and wild mustard and more consistent control of ragweed and yellow foxtail.

Rate per Hectare**Applied Pre-Plant Incorporated**

| | SOIL TEXTURE | | |
|-----------------------------|--------------|-------------|-------------|
| | Light | Medium | Heavy |
| Command E.C. | 1.4 L | 1.6 L | 1.8 L |
| Sencor 500 F | 400 mL | 500 mL | 600 mL |
| Sencor 75% D.F. | 270 gm | 330 gm | 400 gm |
| Sencor 75% D.F. SOLUPAK* | .54 packets | .66 packets | .80 packets |
| Lexone 75% D.F. | 270 gm | 330 gm | 400 gm |
| Lexone 480 F | 420 mL | 520 mL | 620 mL |
| Lexone 75% TNG*** | .54 packets | .66 packets | .80 packets |

Incorporate 5 to 8 cm deep using recommended implements. REFER TO AND FOLLOW COMMAND E.C. INCORPORATION DIRECTIONS ON THIS LABEL.

PRECAUTIONS

Do not use metribuzin on light soils with less than 2% organic matter.

Do not use when planting metribuzin sensitive soybean varieties.

Control of cocklebur may be erratic ranging from fair to excellent depending on soil temperature, time of weed germination, depth of weed seed in the soil, and the amount and timing of soil, and in the amount and timing of soil moisture. Cultivation may improve control.

Increased metribuzin activity (crop injury) is possible on high pH soils and/or soils with high atrazine residues. Either reduce the metribuzin dosage, or use another Command E.C.-herbicide combination under these conditions.

On variable soils with light sandy areas, some injury may occur on sandy areas if the rate used is for the heavier soil type in the field.

Refer to the SENCOR and LEXONE labels for directions on use and special precautions.

COMMAND E.C. FOLLOWED BY PRE-EMERGENCE HERBICIDES

Pre-emergence herbicides approved for use on soybeans may be applied following pre-plant soil incorporated treatment of Command E.C. to provide control of additional weed species. **Apply Command E.C. to the soil surface and incorporate in the same operation using spray equipment mounted on the incorporation equipment or tractor. DO NOT APPLY COMMAND E.C. TANK MIXTURES TO NO-TILL FIELDS.**

COMMAND E.C.(PPI)/FOLLOWED BY LORAX(PRE)/SEQUENTIAL APPLICATION

Command E.C. followed by Lorox will provide improved control of pigweed and wild mustard and improved consistency of control of nightshade, ragweed and yellow foxtail.

Rate per Hectare

| | SOIL TEXTURE | | |
|--------------------|--------------|--------|--------|
| | Light | Medium | Heavy |
| Command E.C.(PPI) | 1.4 L | 1.6 L | 1.8 L |
| LOROX 480 L(PRE) | - | 1.75 L | 2.25 L |
| LOROX 50 D.F.(PRE) | - | 1.7 kg | 2.2 kg |

Use the lower recommended rate of LOROX on light coloured soils with moderate organic matter (2 to 5%). Do not use LOROX on coarse textured soils low in organic matter, as crop injury may result. Refer to the respective LOROX labels for specific recommendations.

COMMAND E.C.(PPI)/FOLLOWED BY PATORAN(PRE)/SEQUENTIAL APPLICATION

Command E.C. followed by Patoran will provide improved control of pigweed and wild mustard and more consistent control of ragweed, nightshade and yellow foxtail.

Rate per Hectare

| | SOIL TEXTURE | | |
|-------------------|--------------|--------|-------|
| | Light | Medium | Heavy |
| Command E.C.(PPI) | 1.4 L | 1.6 L | 1.8 L |

| | | | |
|----------------------------|-------|-------|-------|
| PATORAN FL 400 g/L(PRE) | 3.0 L | 3.5 L | 4.0 L |
| PATORAN FL 670 g/L(PRE) | 1.8 L | 2.1 L | 2.4 L |

See PATORAN label for application instructions and precautions.
Do not apply to soils with less than 2 percent organic matter.

NOTICE TO USER: This product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on this label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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