



syngenta.

Reg. No. **L5182** Act No. 36 of 1947

A selective post-emergence liquid concentrate herbicide for the control of annual broadleaf weeds in soybeans, dry beans, green beans and groundnuts.



Hazard statements:

May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. Toxic to aquatic life with long-lasting effects.

Precautionary statements:

Prevention: Do not breathe mist or vapours. Wear protective gloves/eye protection/face protection. Wear respiratory protection.

Response: If inhaled, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor. Collect spillage.

Storage: Store in a well-ventilated area. Keep container tightly closed.

EMERGENCY TEL NO.:
+27 82 446 8946 (Griffon)

UN 3082

GROUP 14 HERBICIDE

Active Ingredient:
fomesafen..... 250 g/l

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DANGER

Registration holder
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1. WARNINGS:

Hazard statements: May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. Toxic to aquatic life with long-lasting effects.

Withholding period: Minimum number of days between last application and harvest.

DRY BEANS, GREEN BEANS AND SOYBEANS..... 14 days
GROUNDNUTS..... 56 days

- Handle with care. This product can cause irritation of the skin and eyes.
- Keep in original container, in a safe place away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- **In case of poisoning:** Contact a doctor and present this label.
- **Re-entry:** Do not enter treated area within one (1) day after application unless wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the weed against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation and the environment, or harm to people or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

2. PRECAUTIONS:

Precautionary statements: Prevention: Do not breathe mist or vapours. Wear protective gloves/eye protection/

face protection. Wear respiratory protection. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor. Collect spillage. **Storage:** Store in a well-ventilated area. Keep container tightly closed.

- Do not eat, drink, or smoke while handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Wear rubber gloves and a face shield when handling the concentrate. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three (3) times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- While spraying, avoid contact with the spray as much as you can. Avoid spray drift onto other crops, grazing rivers, or dams.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers, or dams. Destroy empty container in prescribed manner and do not use for any other purpose.
- Change and wash your work clothes. Wash yourself.

Symptoms of human poisoning: Headache, dizziness and nausea.

First aid and medical treatment: Do not induce vomiting and seek medical advice.

Note to physician: Administer symptomatic treatment.

3. RELEVANT SUBSTANCES:

| Chemical name | |
|------------------------------|-----------------------|
| 1,2-benzisothiazol-3(2H)-one | |
| Classification | Concentration (% w/w) |
| Acute Tox. 4; H302 | ≥ 0,05 - < 0,1 |

RELEVANT SUBSTANCES cont.

| | |
|--|---------------------|
| Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1 | $\geq 0,05 - < 0,1$ |
|--|---------------------|

4. RESISTANCE MANAGEMENT:

FLEX is a group code 14 herbicide. Any weed population may contain individuals naturally resistant to **FLEX** and other group code 14 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly and exclusively in programs. **FLEX** or any other group code 14 herbicides may not control these resistant weeds.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes.
- Integrate other control methods (chemical, cultural, biological) into weed control programs.

For specific information on resistance management contact the registration holder of this product.

5. USE RESTRICTIONS:

- **FLEX** should not be used where soybeans, dry beans, green beans or groundnuts are inter-planted with other crops.
- All other crops, except those on which the product is registered, should not be planted within 12 months of treatment.
- **FLEX** must not be used in the North West Province or Western Free State.
- **FLEX** can only be used on the following cultivars:

| | |
|--------------------|----------------------------------|
| Soybeans | All already existing cultivars |
| Dry beans | Nuweveld, Teebus and Bonus |
| Green beans | Strike, Provider, Cape and Derby |
| Groundnuts | Sellie |

6. DIRECTIONS FOR USE: Use only as indicated.

6.1 General

- **FLEX** is a selective post-emergence broadleaf herbicide that can be applied up to the pre-bloom stage of the crop **but not later than the 4-leaf stage of the weeds**. Application at later growth stages may increase the chance of some re-growth from treated weeds. It is advisable to wait until the majority of broadleaf weeds have germinated before spraying with **FLEX** (see weed list). Rain falling 4 - 6 hours after application of **FLEX** will not affect its activity.
- If the normal cultivation method is the use of pre-emergence herbicides this practice should be continued followed by **FLEX** for later weed germination.
- Temporary crop damage symptoms, circular scorch marks on leaves and possible retardation of growth may

occur after a **FLEX** treatment but will not result in yield losses.

6.2 Compatibility

FLEX should not be mixed with other products. **FLEX** may be used in sequence with other herbicides provided that a sufficient time interval is allowed, so that the other weeds (usually grasses) are not stressed. For example, where **FLEX** is used before or after an application of FUSILADE FORTE (L7304) allow 14 days between spraying.

6.3 Climatic Conditions

FLEX should be applied when weeds are actively growing, under favourable temperature and moisture conditions. **FLEX** should not be applied when crops and weeds are under drought stress or cold temperatures, when poor weed control will result.

6.4 Soil Borne Diseases

Do not apply **FLEX** to soybeans, green beans, groundnuts or dry beans which already show symptoms of soil borne diseases because the combination of a **FLEX** treatment and disease stress may result in stand losses.

6.5 Application

Do not apply **FLEX** if rain is expected within 4 - 6 hours. **FLEX** can be applied by ground application. Use only clean water and correctly calibrated equipment.

Ground application

Apply **FLEX** in a minimum of 200 - 300 ℓ water/ha. Use a minimum spray pressure of 150 kPa. Ensure that spray mixture is evenly distributed to give good coverage of the weeds.

DRY BEANS, GREEN BEANS, SOYBEANS AND GROUNDNUTS

| Disease | Dosage | Remarks |
|----------------------|--------|---|
| Broadleaf weeds only | 1 ℓ/ha | Spray when weeds are between seedling and 4-leaf stage and pre-blossom of the crop. |

WEED SPECIES LIST:

The following broadleaf weeds (seedling up to 4-leaf stage) will be controlled by FLEX at 1 ℓ/ha:

| | |
|---|--|
| <i>Acanthospermum hispidum</i> <i>Amaranthus deflexus</i> <i>Amaranthus hybridus</i> <i>Amaranthus spinosus</i> <i>Bidens bipinnata</i> <i>Chamaesyce inaequilatera</i> <i>Chenopodium album</i> <i>Chenopodium carinatum</i> <i>Cosmos bipinnatus</i> <i>Cleome monophylla</i> <i>Cucumis myriocarpus</i> <i>Datura ferox</i> <i>Datura stramonium</i> | upright starbur perennial pigweed Cape pigweed thorny pigweed Spanish black jack smooth creeping milk weed white goosefoot green goosefoot cosmos spindle pod large thorn apple thorn apple |
|---|--|

WEED SPECIES LIST cont.

| | |
|------------------------------|-----------------------------|
| <i>Galinsoga parviflora</i> | gallant soldier |
| <i>Ipomoea lutea</i> | yellow devil's thorn |
| <i>Portulaca oleracea</i> | purslane |
| <i>Schkuhria pinnata</i> | dwarf marigold |
| <i>Setaria pallide-fusca</i> | red bristle grass |
| <i>Setaria verticillata</i> | sticky bristle grass |
| <i>Sida cordifolia</i> | heartleaf sida |
| <i>Tagetes minuta</i> | khaki weed |

FLEX® and **FUSILADE®** are registered trade marks of a Syngenta Group Company.

FLEX will only provide variable weed control of the following weeds when sprayed at 1 l/ha at seedling up to 4-leaf stage:

| | |
|-------------------------------|------------------------------|
| <i>Commelina benghalensis</i> | Benghal wandering Jew |
| <i>Ipomoea purpurea</i> | common morning glory |
| <i>Tribulus terrestris</i> | dubbeltjie |

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