

# VITAL-60% SC

HERBICIDE  
SUSPENSION CONCENTRATE

VAPCO

Class:  
Diphenyl Ether

Is a selective, systemic, pre-emergence herbicide for the control of annual broadleaf weeds and some grasses on the crops mentioned in the table of uses.

**COMPOSITION:** Each litre contains:

**ACLONIFEN**

**60% W/V (A.I)**

**PROPERTIES:**

**VITAL-60% SC** : Selective, systemic herbicide used to control annual broadleaf weeds and some grasses by causing bleaching and yellowing in young shoots.

**VITAL-60% SC** : It is mainly absorbed by seedlings during their growth through the herbicide layer present on the soil surface, so the herbicide works through its effect on the seedlings and not the roots, and therefore the temperature and soil moisture do not affect the herbicide **VITAL-60% SC** at the time of use.

**VITAL-60% SC** : Residual activity is usually two to three months.

**VITAL-60% SC** : Should be applied uniformly to the ground surface to form a homogenous film.

**USES AND APPLICATION RATE :**

CROPS	WEEDS	APPLICATION RATE	NO. OF APPLICATIONS	TIME OF APPLICATION	LATEST TIME OF APPLICATION
Potatoes	Annual meadow-grass, barnyard grass, black bindweed, black nightshade, cleavers, common chickweed, fat-hen, shaggy soldier, henbit dead-nettle, knotgrass, pale	300 ml/ donum	1 per crop season	Application must be pre-emergence of the crop and weeds.	After furrow formation, and less than a week pre-appearance of potato sprout.
Peas, Beans, Broad beans	persicaria, red dead-nettle, redshank, scented mayweed, shepherd's purse, volunteer oilseed rape.		1 per crop season	Application should be made immediately after sowing and before crop germination	After sowing and before germination

• For more details about first aid & precautions please refer to first aid & precautions index.

**CAUTION:**

- Used only on the above mentioned crops .
- Only one application per season of **VITAL-60% SC** should be made to the crop.
- For optimal uptake and activity, **VITAL-60% SC** should be applied uniformly to the soil surface
- The sprayer must be calibrated before use.

**RESTRICTION:**

- Do not apply **VITAL-60% SC** after germination of the crop.
- Maintain continuous stirring of the spray solution until the completion of the treatment
- Avoid spray drift to neighboring crops. Because the **VITAL-60% SC** may cause sensitivity to beetroot and cruciferous crops.
- Apply **VITAL-60% SC** before crop germination and before a short time after digging and preparing the soil.
- If **VITAL-60% SC** is used after germination of the crop, and environmental conditions are unfavorable (high humidity, low temperature), crop damage may occur.
- Mineral soils and organic soils reduce the residual effect period of **VITAL-60% SC**
- After treatment with **VITAL-60% SC** you should avoid dealing with the soil in any way (mechanical or other) because this will reduce the level of weeds control.
- **VITAL-60% SC** affects weeds as symptoms begin with the appearance of intense color, then turn yellow on the buds and young twigs, and then lead to the cessation of weed growth and death.
- **VITAL-60% SC** does not affect broadleaf weeds that grow from the rootstock.
- **VITAL-60% SC** does not get into plants through their roots, so it does not depend on soil moisture and temperature at the time of its use.
- Prepare the soil and furrows appropriately and spray them with **VITAL-60% SC** in homogeneous and appropriate way.

**FOLLOWING CROPS AND CROP FAILURE**

- There are no restrictions on following crops in the normal rotation, provided the soil is cultivated to a depth of 10 cm before sowing.
- Seeds of barley, wheat, rye, beetroot, mustard, sunflower, corn, peas, beans, and soybeans can be sown after 3 weeks of using **VITAL-60% SC**, provided that the soil is plowed to a depth of 10 cm before sowing.

**PHYTOTOXICITY:**

Non-phytotoxic to potatoes, sunflowers and peas. May be phytotoxic to cereals and maize at high dose rates and to beetrot and cruciferous crops.

**COMPATIBILITY:**

Incompatible with other pesticides.

**RE ENTRY PERIOD:**

48 hours from the last application.

**\* OTHER TRADE NAME: ACLOVAP**

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