



Emulsifiable Concentrate

FUSILADE FORTE is a highly active, selective and systemic herbicide which controls most annual and perennial grass weeds in broad-leaved crops, including beans, groundnuts, soya beans, cotton, tobacco, sunflowers, tomatoes, peppers, cucurbits, brassicas and other vegetable crops. FUSILADE FORTE can also be used as a ripener in sugarcane.

FUSILADE FORTE contains an inbuilt wetting system, ISOLink™ technology, which enables delivery of the active ingredient to its target site as tiny oil droplets complete with the required level of adjuvant to maximize plant uptake. This gives FUSILADE FORTE superior product performance.

Active Ingredient Content: 150 g/lit Fluazifop-P-butyl

Mode of Action

Fluazifop-P-butyl is rapidly absorbed into leaves and is rainfast within approximately 2 hours of application. Fluazifop-P translocates in both xylem and phloem, eventually accumulating in the growing points of the root and shoot tissue. This characteristic makes fluazifop-P particularly effective on perennial weeds with extensive underground rhizomes and roots such as couchgrass (*Agropyron repens*), Johnsongrass (*Sorghum halepense*), and reed canarygrass (*Phalarus arundinaceae*). FUSILADE FORTE is a selective herbicide for the control of grasses beans and other dicot crops such as cotton soybeans and peas. It is absorbed by weeds via the leaves.

Spectrum of Activity

FUSILADE FORTE is active against grass weeds when applied post emergence in dicot crops. FUSILADE FORTE controls most of the annual and perennial grass weeds growing within broad-leaf crops.

- Annual grasses: *Alopecurus myosuroides* (black grass), *Avena fatua* (wild oat), *Bromus* spp. (Bromes), *Digitaria sanguinalis* (large crab grass), *Enchinochloa*

crus-galli (barnyard grass), *Lolium* spp. (rye grass), *Setaria* spp. (fox-tails), *Eleusine indica*, volunteer wheat, barley and oats.

- Perennial grasses: *Agropyron repens* (couch or twitch), *Cynodon dactylon* (Bermuda grass), *Panicum repens*, *Paspalum* spp. (knot grass), *Pennisetum clandestinum* (kikuyu grass), *Sorghum halepense* (Johnson grass).
- Also when FUSILADE FORTE is applied to sugarcane prior to harvest it acts a mild herbicide and hastens maturation.

FUSILADE FORTE is not effective against *Imperata cylindrica*.

Limitations

Weeds should not be treated when moisture-stressed. Do not tank-mix with broad-leave herbicides; wait for 7 days after a FUSILADE FORTE application before applying another herbicide. Do not plant cereal or grain crops within 2 months after applying FUSILADE FORTE.

Under very low moisture conditions, FUSILADE FORTE only shows moderate activity on weeds, similar to that of other post-emergence standard products.

Directions for Use

FUSILADE FORTE applications should be made preferably to small actively growing weeds, up to 10 cm high especially the difficult to control ones like *Digitaria* spp.

Crop	Weeds	Timing	Rate lt./ha	Application method
Beans Cotton Tobacco Sunflower Soybeans Peas Vegetables	Grasses including <i>Brachiaria</i>	Early-post 3-4 Tillers	1-1.5	Post over the top of the weeds
Sugarcane	Ripener	6-8 weeks before harvest	0.25-0.3	Over the top of sugarcane

Application Information

Application technique / parameters

Spray Equipment

FUSILADE FORTE may be applied with any medium or high volume sprayer, which is capable of adequate coverage and even distribution. Best results are obtained using flat fan-type nozzles with a minimum of 100 lt. spray volume/ha.

Mixing

FUSILADE FORTE is an emulsifiable concentrate formulation which mixes easily with water providing the following mixing procedure is followed. The spray tank must be clean, thoroughly rinsed and decontaminated before adding FUSILADE FORTE.

- Fill the spray tank quarter to half-full with water.
- Start agitation.
- Add the required quantity of FUSILADE FORTE. Continue agitation in the spray tank and allow the product to disperse.
- While maintaining agitation continue filling the spray tank.
- Use FUSILADE FORTE preparation within 24 hours as the effectiveness may be reduced due to degradation.

Spray volume: 100-400 litres/ha.

Cleaning Equipment after Application

To avoid subsequent injury to crops, thoroughly clean application equipment and protective equipment immediately after spraying. Ensure that all traces of the product are removed.

Special attention must be given to cleaning equipment before spraying a crop other than a dicot crop.

1. Drain the spray system completely. Flush tank, hoses, boom and nozzles with clean water.
2. Prepare a tank cleaning solution of one litre of household ammonia (containing 3% ammonia) per 100 litres of water. Use sufficient cleaning solution to thoroughly rinse all surfaces.
3. When available use a pressure washer to clean the inside of the spray tank with this solution. Half fill the spray tank with water and start agitation in the sprayer and thoroughly re-circulate the water

for at least 15 minutes. All visible deposits must be removed from the spraying system.

4. Flush hoses, spray lines and nozzles for at least 1 minute with water.
5. Dispose of rinsate from steps 1-4 in an appropriate manner. Spray the cleaning solution on untreated sugarcane or return to a rinsate tank for later use as a carrier water for spraying on sugarcane.
6. Repeat steps 1-5.
7. Remove nozzles, screens, and strainers and clean separately in water after completing the above procedures.
8. Rinse the complete spraying system with clean water.

Compatibility

Tank-mixing FUSILADE FORTE with other herbicides is not recommended.

Safety aspects

Precautionary measures

KEEP LOCKED UP OUT OF REACH OF CHILDREN and other unauthorized persons and animals.

Operator safety

AVOID any contact of skin, eyes or clothing with concentrate or spray mixture. DO NOT breathe spray mist. DO NOT eat, drink or smoke while handling the product; wash hands and face before doing so. If any indisposition occurs, stop work, follow first aid measures, and call a physician.

WEAR protective clothing, i.e. for preparation: impermeable gloves; for application: overalls, hat or cap, and solid footwear. AFTER USE, thoroughly clean protective equipment and wash entire body and change clothing. Wash contaminated clothing before re-use.

First Aid

If poisoning is suspected, stop work immediately and call a physician. Show label to the physician. In case of contact with skin, remove contaminated clothing; wash affected body parts immediately with plenty of water and soap. Rinse splashes from eyes with abundant fresh

and clean water for several minutes. If inhaled move to clean air. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.

Note: Never give anything by mouth to an unconscious patient and never induce vomiting.

Environment and wildlife

AVOID drift to other crops. Special care should be given if FUSILADE FORTE is sprayed close to maize, sorghum or any cereal grain crop. DO NOT apply, drain or flush equipment on or near trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT contaminate water used for irrigation or domestic purposes and water areas, such as ponds, ditches, lakes, drainage systems, etc. by disposal of product waste, direct overspray or spray drift. Newly treated areas must not be grazed and all livestock is to be kept out.

Spillage and leakage

Remove heavily contaminated soil layer and bury in a safe place away from water supplies. Collect up spilt material thoroughly and bury it in a safe place or put it in a waste bin or in a plastic bag and dispose of on a landfill-site approved for pesticides. Rinse the spill area with plenty of water.

Note: Spilt product must not be re-used.

Product and container disposal

Provided there are no local legal or other rules and regulations, the following procedure is recommended: Dispose of surplus product on a landfill site approved for pesticides or bury in a safe place away from water sources. Dilute surplus application mixture; pour it broadcast on fallow land. Empty the containers well, rinse several times and add the rinsate solution to the spray tank. Dispose of containers made of cardboard, or plastic on a landfill site or burn in a safe place. If burned, stay out of the smoke. Be sure that the smoke or fumes will not damage nearby plants, crops or trees or harm animals. DO NOT re-use empty

containers for any other purpose, and especially not for storing water for domestic use or foodstuffs.

Antidote: No specific antidote is known. Apply symptomatic therapy.

Hazard Classification: WHO Class III (Unlikely to present acute hazard in normal use.)

Storage conditions

Store away from sun and damp, in a well-ventilated area away from food and feed, under lock and key. AVOID storage above +35°C. DO NOT stack containers in piles more than 2 m high, in order to avoid product compaction or damage.

Shelf life: At least two years from date of manufacturing, in original sealed containers, stored in a cool dry place.

User's risk

The user bears the risk for damage resulting from factors beyond the manufacturer's control.

Resistant strains of weeds may develop or may exist against which herbicides may be less effective. Since the occurrence of such strains cannot be forecast, neither the manufacturer nor its distributors can assume responsibility for any loss or damage caused by failure to control resistant weeds.

All recommendations for use of this product are based on the current state of the manufacturer's knowledge. Since the manufacturer cannot control the farmers' choice of herbicides, its application, use, storage or processing of the product or other agronomic practices, the manufacturer cannot assume responsibility therefore.

TM Trademark of a Syngenta Group Company

Manufacturer: Syngenta Crop Protection AG, Basle, Switzerland

Approved by TPRI, Arusha