



syngenta®

Product registration number: MAPP 15800, PCS No. 04189


Oil based dispersion formulation containing 75 g/litre of mesotrione and 30 g/litre nicosulfuron.

Herbicide for the moderate control of perennial grass weeds,

and the control of annual grass and broad-leaved weeds in maize.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).



	<p>FOR PROFESSIONAL USE ONLY</p> <p>Oil based dispersion concentrate containing 75 g/litre mesotrione and 30 g/litre nicosulfuron.</p> <p>Signal word Warning.</p> <p>Hazard statements Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements Keep out of reach of children. Do not eat, drink or smoke when using the product. Avoid release to the environment. Collect Spillage. Do not allow direct spray from ground crop sprayers to fall within 5m of the top of the bank of a static or flowing waterbody or within 1m of the top of a ditch which is dry at the time of application. Direct spray away from water.</p> <p>To avoid risks to human health and the environment, comply with the instructions for use.</p> <p>MAPP No. 15800, PCS No. 04189</p>	<p>Approval Holder and UK Marketing Company Syngenta Crop Protection UK Limited CPC 4, Capital Park, Fulbourn, Cambridge CB21 5XE Tel: Cambridge (01223) 883400</p>
		<p>Ireland Marketing Company Syngenta Ireland Ltd Block 6, Cleaboy Business Park, Old Kilmeaden Road, Waterford, Ireland Tel: 051 377203</p>



This product label is compliant with the CPA Voluntary Initiative (VI) guidance (UK only).

In case of toxic or transport emergency ring +44 (0)1484 538444 any time.

PROTECT FROM FROST. SHAKE WELL BEFORE USE.

4 x 5 litres

Product names marked ® or ™, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company



IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose (litres product/ha)	Maximum number of applications	Latest time of application
Grain and Forage Maize (open crops only)	1.5	1 per crop	8 leaves unfolded (GS 18)

Other Specific Restriction:

Do not apply by hand-held equipment.

To avoid the build up of resistance do not apply this or any other product containing an ALS inhibitor herbicide with claims for control of grass-weeds more than once to any crop.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**SAFETY PRECAUTIONS****(a) Operator protection****(COSHH applies to the UK only)**

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

AVOID ALL CONTACT WITH SKIN.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

FOR USE BY TRACTOR MOUNTED/TRAILED SPRAYER ONLY.

(b) Environmental protection**(LERAP applies to the UK only)**

To protect aquatic organisms respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment



for Pesticide (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

DO NOT CONTAMINATE WATER WITH THE PRODUCT OR ITS CONTAINER. Do not clean application equipment near surface water. Avoid contamination via drains from yards and roads. Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

(c) Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

This leaflet is part of the approved Product Label.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

- Do not apply to sweetcorn, maize grown for seed production or grown in production of inbred lines.
- Do not treat with ELUMIS once a soil insecticide based on an organophosphate such as phorate has been applied.
- Do not mix with foliar or liquid fertilisers.
- Do not apply in sequence or in tank-mix with a product containing any other sulfonylurea.
- Under certain conditions, some transient yellowing and/or crop stunting and/or loss of vigour can be seen after treatment. This is quickly outgrown and no yield effect has been shown.
- Applications should not be made to maize crops that are under stress, as this may lead to incidences of more persistent crop damage. Apply product at the recommended dose rate to a healthy crop.
- Strains of some annual weeds (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.
- Avoid the use of ELUMIS, or any other ALS inhibitor herbicide, as a sole means of grass and broad-leaved weed control in successive crops.
- Some flower deformation may be seen on particular sensitive varieties e.g. Abraxas, Fjord and Rival.
- Take extreme care to avoid drift onto dicotyledonous plants outside the target area.
- Take extreme care to avoid drift onto all crops outside the target area, otherwise crop damage will result.
- Avoid overlapping spray swaths, as considerable crop damage may occur which may not grow out and could lead to yield reductions.
- Ensure spraying equipment is thoroughly washed out according to officially approved guidelines or regulations.
- Only dispose of washings, split material and packaging according to officially approved guidelines or regulations.
- The freshly treated area must not be grazed, no food or feed collected from it.
- Do not enter treated areas before spray deposit on leave surfaces has dried, unless protective clothing is worn.
- Use of ELUMIS is not recommended for use in more than 2 consecutive seasons at a time in continuous maize production.

WEEDS CONTROLLED

ELUMIS can be used to control the following weeds in maize. For best results ELUMIS should be applied when weeds are small and actively growing. Do not spray when weed or crop foliage is wet.

	Common name	Maximum Growth stage (BBCH)
Susceptible	Barnyard grass	25 (mid tillering)
	Annual meadowgrass	27 (mid to late tillering)
	Common Amaranth	33 (3 nodes)
	Volunteer Oilseed Rape	14 (4 true leaves)
	Shepherds Purse	16 (6 true leaves)
	Many seeded goosefoot	21 (1 side shoot)
	Maple leaved goosefoot	13 (3 true leaves)
	Fig-leaved goosefoot	18 (8 true leaves)
	Fat Hen	43 (before flower buds visible)
	Common fumitory	16 (6 true leaves)
	Common hemp nettle	14 (4 true leaves)
	Cleavers	15 (5 whorls)
	Red dead nettle	33 (3 nodes)
	Perennial Ryegrass (from seed)	21 (1 tiller)
	Pineappleweed	21 (1 tiller)
	Scentless mayweed	21 (1 side shoot)
	Scented mayweed	21 (1 side shoot)
	Redshank	25 (5 side shoots)
	Pale persicaria	21 (1 side shoot)
	Black bindweed	21 (1 side shoot)
Black nightshade	16 (6 true leaves)	
Common Chickweed	41 (before flower buds visible)	
Common field speedwell	13 (3 true leaves)	
Field Pansy/Wild Pansy	12 (2 true leaves)	
Moderately susceptible	Couch grass	21 (1 tiller)
Moderately resistant	Knotgrass	36 (6 nodes)

ELUMIS gives useful control of the top growth of Common couch in the year of application, but reduction of growth in the following year has not been established.

WEED RESISTANCE

This product contains nicosulfuron which is an ALS inhibitor, also classified by the HRAC as 'Group B' and mesotrione which is an HPPD inhibitor, also classified by HRAC as 'Group F2'.

Use ELUMIS only as a part of a resistance strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.

There is potential for resistance to develop to ELUMIS if the product is used alone in monoculture over a number of years. ELUMIS should not be used for more than 2 years in a row without a break in situations of continuous maize production. ELUMIS should be used in mixture or in sequence with herbicides with other modes of action, particularly in continuous maize, as part of a weed resistance management plan. Crop rotation, in which using herbicides with different mode of action, can be practised as an alternative to reduce risk of development of resistance.

CROP SPECIFIC INFORMATION

Timing and Rates of Use

Elumis should be applied to the maize crop from the 2 leaf stage of the crop to no later than the 8 leaf stage. Refer to maximum weed growth stage limits approved. Apply Elumis at 1.5 litres per hectare.

FOLLOWING CROPS AND RECULTIVATION

Recultivation

Forage maize and grain maize can be re-seeded immediately after ploughing in the case of crop failure.

Rotational crops

Autumn

Winter wheat and winter barley can follow a forage maize and grain maize crop treated with ELUMIS provided the soil has been ploughed to a depth of 15cm.

Spring

Forage maize and grain maize, ryegrass, spring wheat and spring barley may be sown in the spring following application of ELUMIS, do not sow any other crop at this time.

MIXING AND SPRAYING

Preparation of the spray solution

Shake thoroughly the ELUMIS container. Half fill the spray tank with clean water and begin agitation. Add the required quantity of ELUMIS to the tank and complete filling. Continue agitation until spraying is completed.

Application

Application of ELUMIS will be achieved by using conventional ground spraying equipment at water volumes of 200-400 L/ha. Apply using a medium quality spray (BCPC) at a pressure of at least 2 bar. Even cover of weeds is essential.

After Use

Disposal of spray tank washings should be in accordance with local, state or national legislation.

Tank cleaning procedure

The following cleaning procedure is recommended:

1. Drain tank completely then flush tank, boom and hoses with clean water. Drain again.
2. Half fill the tank with clean water and add a detergent (e.g. Bonus™ - 100 mL/200L water) or a sodium hypochlorite based solution. Flush through boom and hoses and then allow standing for 10 minutes with agitation. Drain completely.
3. To remove traces of detergent, rinse the tank with clean water and flush through booms and hoses.
4. Repeat step 2.

5. Nozzles and filters must be removed and cleaned separately with the detergent solution at the same concentration as above.
6. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

SOIL CONDITIONS

ELUMIS can be used on all soils (light, medium and heavy soils). High organic material content in soil may impair activity.
