

KYLEO[®]

STUBBLE TROUBLE?

**GIVE WEEDS THE
BOOT WITH KYLEO.**



Nufarm

Grow a better tomorrow.



Control of some species of broadleaved weeds, such as Volunteer oilseed rape and Annual nettle in stubbles, has often been a challenge with existing straight glyphosate formulations.

Nufarm chemists have developed a new formulation of glyphosate boosted by the the addition of 2,4-D.

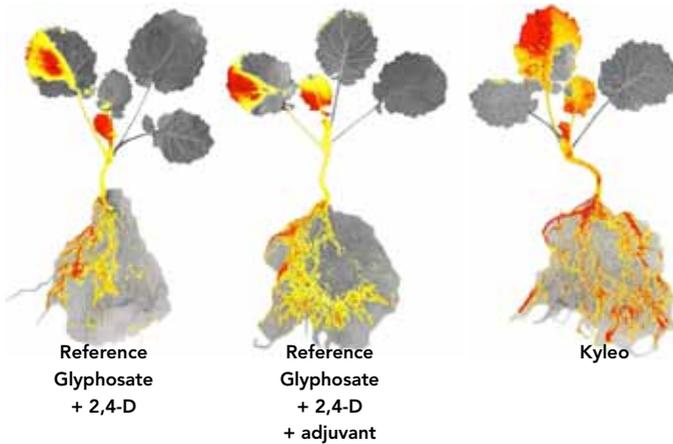
It is not legal at present to tank-mix these two actives as a stubble treatment. Even if these actives were tank-mixed the performance would not be up to expectations. They need to be formulated correctly otherwise 2,4-D and glyphosate can be antagonistic. Nufarm have optimised this formulation by the use of adjuvant technology and getting the right pH balance.

- Improved efficacy against broadleaved weeds such as Volunteer oilseed rape and Annual nettle that are not well controlled by straight glyphosate in stubbles
- Rainfast and reliable in difficult conditions
- Improved speed of action
- Unique pH optimised formulation to get the best out of both active ingredients
- Lipophilic action for optimum leaf uptake
- Only legal solution for using 2,4-D and glyphosate in combination for stubble weed control
- Controls grass weeds too

Kyleo formulation technology

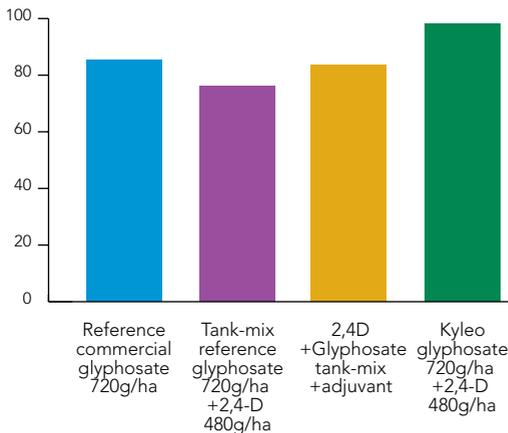
The Kyleo formulation with its lipophilic action ensures optimum uptake into the leaf, while the correct pH balance enhances the activity of both 2,4-D and glyphosate. Use of a tank-mix is illegal, but if the two products were mixed together, the performance would be inferior to Kyleo even with the addition of an adjuvant.

The two illustrations below show how the formulation technology in Kyleo maximises the uptake of the glyphosate in the plant.



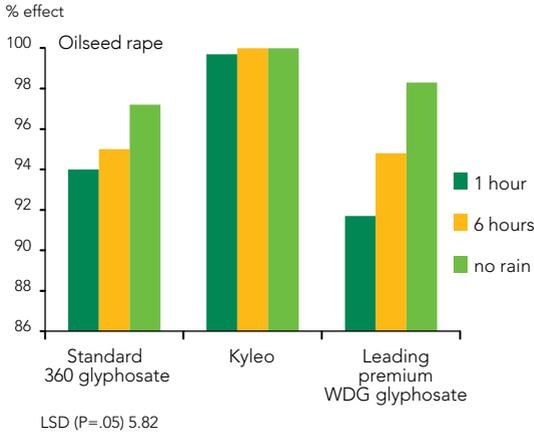
Uptake of radioactive glyphosate in 48 hours. The more red the colour the more glyphosate has been taken up by the plant.

% glyphosate uptake Oilseed rape 48 hours



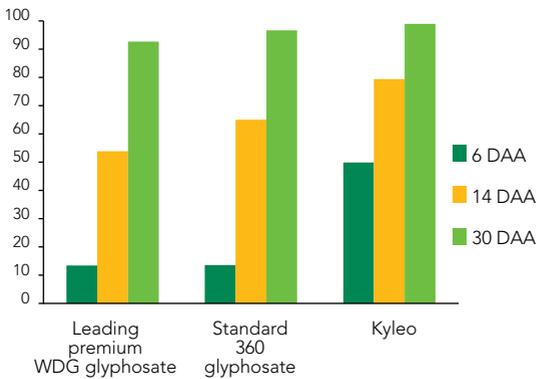
Rainfast

Kyleo's formulation technology is designed to maximise speed of uptake resulting in improved rainfastness even if rainfall occurs 1 hour after application.



Fast speed of action

Kyleo controls difficult weeds such as Volunteer oilseed rape and Annual nettle quicker than straight glyphosate and gives greatly improved control.



Graph shows control of Volunteer oilseed rape.
OAT formulation screen 2012.

Kyleo time sequence



0 hours after treatment



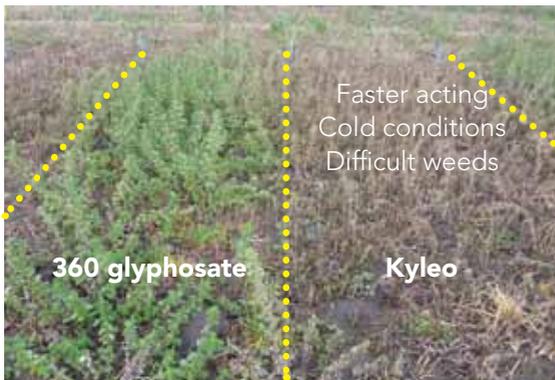
3 days after treatment



6 days after treatment

Time lapse sequence showing increased speed of activity of Kyleo, even against premium glyphosate formulations such as glyphosate AST.

Better control of Annual nettles even in cold conditions.



Trials show the optimum timing for control of Annual nettle with Kyleo is when the majority of weeds have three true leaves.

Replanting intervals supported by Nufarm

Crop	Drilling/planting delay
Wheat, Maize	3 days
Barley	5 days
Rye, Triticale, Ryegrass	7 days
Lucerne, Cover crops, Clover	14 days (28 days if direct drilled)
Peas & beans	21 days
Linseed, Sugar beet, Onions (drilled or sets) Oil seed rape, Potatoes	28 days
Vegetables, Sunflower	60 days
Grassland	consult Nufarm

Weeds controlled

Kyleo controls the weeds normally associated with straight glyphosate and gives improved and faster control of difficult broadleaved weeds such as Bindweed, Cranesbill, Volunteer oilseed rape and Annual nettle.

Annual weeds susceptible at 3 l/ha.

Perennial weeds susceptible at 5 l/ha.

Annual grasses and broadleaved weeds should have at least 5cm of leaf, or two expanded true leaves, respectively.

Perennial grasses must have a full emergence of healthy, green leaf. Common couch for example becomes susceptible at the onset of tillering and when new rhizome growth commences which usually occurs when plants have 4-5 leaves, each with 10-15cm of new growth.

Grass weeds

Although Kyleo is specifically targeted for the control of some difficult broadleaved weeds, it has excellent activity against grass weeds optimised by formulation technology.

Kyleo recommendations

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose	Maximum total dose	Latest time of application
All edible crops (stubble) All non-edible crops (stubble)	5.0 l/ha	5.0 l/ha per crop	After harvest, prior to tilling, before sowing/planting succeeding crops
Grassland	5.0 l/ha	5.0 l/ha per crop	After harvest, prior to tilling, before sowing/planting succeeding crops
Green cover on land not being used for crop production	5.0 l/ha	5.0 l/ha per crop	After harvest, prior to tilling, before sowing/planting succeeding crops
Apple (around) Pear (around)	5.0 l/ha OR: 5.0 l/ha	5.0 l/ha per crop OR: 5.0 l/ha per crop	Spring and summer After harvest
Amenity grassland	5.0 l/ha	5.0 l/ha per crop	During the vegetation period
Hard surfaces	5.0 l/ha	5.0 l/ha per crop	During the vegetation period
Amenity vegetation	5.0 l/ha	5.0 l/ha per crop	During the vegetation period

Further information

Details of application timings and rates are detailed in Nufarm labels and product literature; both of which can be accessed from our web site at www.nufarm.com/uk. Alternatively ring:

Technical helpline 01274 694714
Monday-Friday 9am-5pm

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Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to www.nufarm.com/uk

Kyleo contains 2,4-D and glyphosate. Kyleo is a trademark of Nufarm.