

Xerton

(MAPP 17335)

28 June 2016

XERTON is a selective systemic herbicide, absorbed by the emerging shoots (grasses) and roots (broad-leaved plants), with translocation to the foliage. XERTON is particularly active on Annual meadow-grass (*Poa Annua*) providing control up to the early tillering stage.

Xerton Product Profile

| | |
|---------------------------|--|
| Active ingredient | ethofumesate |
| Inclusion rate | 417 g/l |
| Formulation | Suspension Concentrate (SC) |
| Crops | Winter wheat |
| Maximum individual dose | 0.6 l/ha |
| Maximum total dose | 0.6 l/ha |
| Application timing | Between GS12 and GS16 of the crop (two and six leaves) |
| Pack size | 5 litres |
| LERAP/Aquatic Buffer Zone | B |
| Water volume | 200 l/ha* |

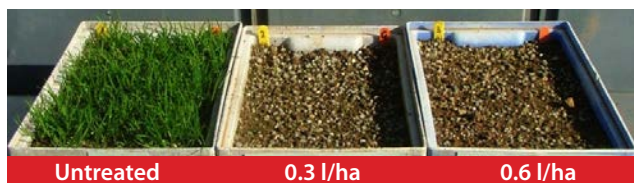
*This volume can be reduced according to guidelines given in the Code of Practice for Using Plant Protection Products to allow application at 80-100 l/ha.

Key Use for XERTON Autumn 2016

Use **XERTON** where residual herbicides applied early are not sufficiently persistent to control late emerging Annual meadow-grass and other weeds that ethofumesate has activity on, or where pre-emergence sprays have not been applied. It must be used in a tank mix with other herbicides for resistance management and efficacy reasons.

Timing of XERTON

XERTON works best when applied pre-emergence of weeds, as shown below in container trials looking at Annual meadow-grass control from pre-emergence sprays.



Untreated

0.3 l/ha

0.6 l/ha

Weed Spectrum

XERTON has activity on the weeds listed below, and in particular on Annual meadow-grass. To obtain the optimum performance from **XERTON** it should be used in a tank mix with other herbicide actives (visit www.upleurope.com for further details).

XERTON has activity on the following weeds but should always be used in a tank mix with other herbicides.

| | | |
|---------------------|-------------------|------------------|
| Annual meadow-grass | Knotgrass | Black nightshade |
| Black bindweed | Orache | Hemp-nettle |
| Black-grass | Mayweeds | Field pansy |
| Charlock | Pale persicaria | Field speedwell |
| Cleavers | Redshank | Poppy |
| Chickweed | Scarlet pimpernel | Small nettle |
| Fat hen | Shepherd's purse | Wild-oat |
| Fumitory | Sow thistle | |

Restrictions for Ethofumesate

To protect groundwater, the maximum total dose must not exceed 1 kg of ethofumesate per hectare in any three-year period.

Ethofumesate has moderate soil persistence, it is not readily leached, and is eventually biologically degraded.

Succeeding crops may be sown 3 months after using **XERTON**.

Black-grass (*Alopecurus myosuroides*)

XERTON has some activity on Black-grass if included within a programme at 0.6 l/ha. The level of control in the field will be dependent on tank mix partners and conditions at spraying, but expect **XERTON** to add to black-grass control when used pre-emergence of the weed.

Properties of XERTON (ethofumesate)

Ethofumesate belongs to the benzofuran chemical family (Group N), and the mode-of-action is by inhibition of lipid synthesis – not ACCase inhibition. There has been no recorded resistance to ethofumesate in the UK.

BASIS points for the technical information provided by this update are CP/51900/1617/g (1 CPD).

To claim please e-mail assistant@basis-reg.co.uk.

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