

## Herbicide Choices For Game Cover Crops

Good weed control is key to producing successful game cover crops that provide excellent shooting and wildlife habitat, while reducing the risk of weeds carrying over into future crops. Managing weeds in game cover can be challenging, as these crops often contain a mixture of species.

Extension of Authorisations for Minor Use (EAMUs) are available for the use of certain Corteva products in game cover crops. In addition, selectivity work has been carried out on a range of products. The table overleaf contains details of the selectivity of our products.

Please note that products used under an EAMU authorisation are applied at the grower's own risk. The information provided in the table is intended as guidance only. For further details, visit [Corteva https://www.corteva.co.uk/tools-and-advice/stewardship/game-cover.html](https://www.corteva.co.uk/tools-and-advice/stewardship/game-cover.html)

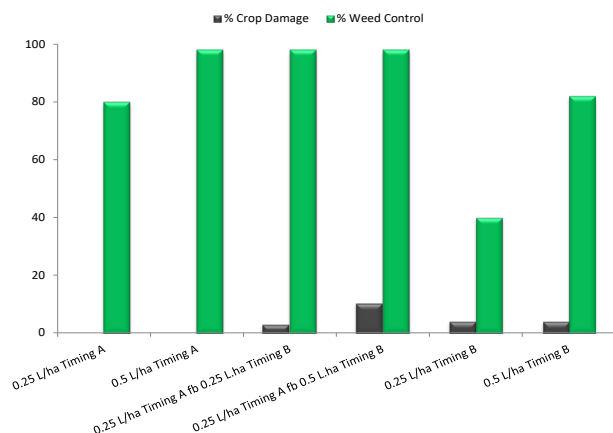
### Maize and cereal type covers

Starane Hi-Load HL offers weed control in cereal and maize type covers (in maize please note use at the 3-6 expanded true leaf stage and before buttress roots start to form).

### Cereal and brassica covers

Shield Pro™ has good opportunities for use in game cover crops. This well-established product can be used in a range of cereal/maize/brassica type game cover crops, although there are some crop types that should be avoided, notably: chicory, sunflowers, artichokes and leguminous crops. Shield Pro is less damaging to brassica type game covers.

Corteva Agriscience in conjunction with Oakbank Game and Conservation have carried out exploratory trials to examine timing and dose rate of Shield Pro in several 'off-the-shelf' game cover mixes. The trials indicated that applications of Shield Pro at 0.25 l/ha and 0.5 l/ha, at the 4-6 leaf stage of the game cover crops gave higher levels of weed control and resulted in minimal levels of crop damage (particularly on slightly sensitive crop types like quinoa) compared to later applications or sequences of Shield Pro (see chart below).



### Best use advice

- Think about weed control options when choosing game cover mixes.
- In cereal and maize covers, use Starane Hi-Load to control a range of competitive weeds.
- In mixed cereal and brassica game covers, use Thistlex at 1.0 l/ha or Shield Pro at 0.25 l/ha to 0.5 l/ha at 4-6 stage of the game cover to control thistles, mayweeds and groundsel.
- Be conscious of the stress level of the crop.

### Green cover crops

Many growers are turning to green cover crops to improve soil health, increase nitrogen efficiency and reduce weeds and soil borne pests. The excellent rotational crop safety of Broadway® Star and the co-formulations of fluroxypyr and florasulam (e.g., Starane XL) allows brassica type cover crops to be sown after a treated cereal crop.

Consider using Instinct® after ploughing-in of cover crops to keep nitrogen available in the root zone for longer and optimise yield.

## Guidance on the potential crop safety of Corteva products on various game cover crops.

| Game Cover Crop              | Shield Pro                                                                                                                                                                                                                                                                                                                                                 | Starane Hi-Load                                                                                                                                                                                                                                                                                                                                  | Kerb Flo                                                                                                                                         | Thistlex                                                                                                                                                                                                                                                                               |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Borage                       | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | Yes                                                                                                                                                                                                                                                                                    |
| Buckwheat                    | Some crop damage                                                                                                                                                                                                                                                                                                                                           | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | Yes                                                                                                                                                                                                                                                                                    |
| Canary grass                 | Yes                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                    |
| Fodder radish                | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Gold of pleasure             | Some crop damage                                                                                                                                                                                                                                                                                                                                           | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Jerusalem artichoke          |                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                  | Yes                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| Kale                         | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | Yes                                                                                                                                                                                                                                                                                    |
| Maize                        | Yes                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                              | No                                                                                                                                               | Yes                                                                                                                                                                                                                                                                                    |
| Millet (white, red, reed)    | Yes                                                                                                                                                                                                                                                                                                                                                        | White millet only                                                                                                                                                                                                                                                                                                                                | White millet only                                                                                                                                | Yes                                                                                                                                                                                                                                                                                    |
| Miscanthus                   | Yes                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                              | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Mustard                      | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | Some crop damage                                                                                                                                                                                                                                                                       |
| Phacelia                     | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                    |
| Quinoa                       | Some crop damage                                                                                                                                                                                                                                                                                                                                           | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Sorghum                      | Some crop damage                                                                                                                                                                                                                                                                                                                                           | Yes                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                    |
| Sunflowers                   | No                                                                                                                                                                                                                                                                                                                                                         | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Sweet Clover                 | Yes                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                  | Yes                                                                                                                                              | No                                                                                                                                                                                                                                                                                     |
| Triticale and other cereals  | Yes                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                  | Yes                                                                                                                                                                                                                                                                                    |
| Tyfon cabbage/Stubble turnip | Yes                                                                                                                                                                                                                                                                                                                                                        | No                                                                                                                                                                                                                                                                                                                                               | Yes                                                                                                                                              | Some crop damage                                                                                                                                                                                                                                                                       |
| <b>NOTES ON USE</b>          | <p>Rates of 0.25 - 0.5 l/ha before end of July.</p> <p>Weeds should be actively growing.</p> <p>Apply when crop is well established but before flower buds visible.</p> <p>Note: Clopyralid can remain in plant residues and affect following crops - ensure full incorporation of crop residues before planting treated areas with susceptible crops.</p> | <p>Rates of 0.6 l/ha. Apply when crop is well established but before flower buds visible.</p> <p>Sorghum and Maize should be treated between 3-6 expanded true leaves and less than 20 cm tall.</p> <p>Weeds should be actively growing, soil temperature above 4°C and avoid times when large variations in day and nighttime temperatures.</p> | <p>Rates of 1.7 l/ha best applied pre-emergence of the crop.</p> <p>Note: persistence will be reduced when applied to warm soil temperatures</p> | <p>Rate of 1.0 l/ha.</p> <p>Weeds should be actively growing.</p> <p>Thistles at rosette stage.</p> <p>Note: Clopyralid can remain in plant residues and effect following crops – ensure full incorporation of crop residues before planting treated areas with susceptible crops.</p> |
| <b>EAMU</b>                  | <b>20231967 GB only<br/>20241971 NI only</b>                                                                                                                                                                                                                                                                                                               | <b>20210942</b>                                                                                                                                                                                                                                                                                                                                  | <b>20210966</b>                                                                                                                                  | <b>20231995 GB only<br/>20231996 NI only</b>                                                                                                                                                                                                                                           |

Any recommendation for off-label or anecdotal activity is only indicative and should not be considered a recommendation for use on the part of Corteva Agriscience. The user assumes full responsibility for crop safety and efficacy.