Product Information Sheet

Revised October 2026

SWORD®

Product	**SWORD**
Active ingredient	240 g/l (22.2% w/v) clodinafop-propargyl
Formulation	Emulsifiable Concentrate (EC)
MAPP number	18592
Mode of action	Inhibition of ACCase: GROUP 1 (Legacy HRAC Group A)
Pack size	1 litre
Aquatic buffer zone	N/A
Non-target arthropod	N/A
Benefits	✓ Post-emergence control of a range of grass weeds including wild oats, rough stalked meadow-grass, annual rye-grass and Italian rye-grass. ✓ Can be applied alone or in tank mix with a residual herbicide partner, e.g. prosulfocarb, for improved activity. ✓ Also delivers useful activity on volunteer tame oats in wheat crops.

RECOMMENDATIONS

Crops	Full dose	Total dose	No. of applications	Latest time of application
Wheat, Durum wheat	0.25 l/ha **Or** 0.125 l/ha + adjuvant**	-	1	Before the flag leaf sheath stage (BBCH 41)
Rye, Triticale	0.25 l/ha **Or** 0.125 l/ha + adjuvant**	-	1	Before 2nd node detectable stage (BBCH 32)

** When applied at the reduced dose SWORD 0.125 l/ha should be mixed with an authorised adjuvant.

Methylated seed oils (MSO) are preferred.

Agronomy Solutions	**PARAMOUNT MAX 25 g/ha + SWORD 0.125 l/ha + adjuvant (MSO)** • *Wild oats, volunteer tame oats, chickweed (non-ALS resistant), cleavers, fumitory, groundsel, mayweeds (non-ALS resistant), volunteer beans, volunteer OSR, vetches and more!* **TOMAHAWK 1.0-2.0* l/ha + SWORD 0.125 l/ha + adjuvant (MSO)** • *Wild oats, volunteer tame oats, chickweed (including ALS resistant), black bindweed, cleavers, deadnettle spp, forget-me-not and volunteer potatoes** * use TOMAHAWK 2.0 l/ha for volunteer potato control from BBCH 33-39 (wheat only) **SWORD 0.25 l/ha + Atlantis OD 1.2 l/ha + Biopower 1.0 l/ha** • *Wild oats, volunteer tame oats, annual meadow-grass, rough-stalked meadow-grass, Italian rye-grass, perennial rye-grass, chickweed (non-ALS resistant) & mayweeds (non-ALS resistant)* **Multiple mode of action strategy for grass weeds at risk of resistance**

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<table>
<tr><td>Label weeds</td><td>

Wild oats: Apply from 1st leaf unfolded to flag leaf ligule visible stage.
Rough-stalked meadow-grass: Apply from 1st leaf unfolded to main shoot and 3 tiller stage.
Annual rye-grass & Italian rye-grass*: Moderately susceptible (MS) from 1st leaf unfolded to main shoot and 3 tiller stage.

* For control of Italian rye-grass always use as part of an integrated weed management programme employing other products active against rye-grass.
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<tr><td>Additional known activity</td><td>Volunteer tame oats.
SWORD can contribute to black-grass control when applied in mixtures/programmes with other herbicides with activity against the target weeds (depending on resistance status)
SWORD can be tank mixed with a suitable broad-leaved weed herbicide if required.</td></tr>
<tr><td>Notes</td><td>

There are only 2 approved SWORD rates: 0.25 l/ha or 0.125 l/ha + adjuvant.
To avoid resistance development apply SWORD only as part of integrated weed management programmes and do not apply more than 2x ACCase inhibitor herbicides to any crop.
If tank mixing with a tribeuron-methyl based SU herbicide (e.g. Paramount Max, Inka SX etc) use SWORD at the reduced rate (0.125 l/ha + adjuvant). The addition of the adjuvant will improve the performance of tribeuron-methyl based SU herbicides against some weeds.
Do not use SWORD in mixture or sequence with any other clodinafop-propargyl product.
Do not tank mix with hormone herbicides.

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<tr><td>Time of application</td><td>Wheat & durum wheat = BBCH 11-41; Triticale & rye = BBCH 11-31.
SWORD is a contact herbicide with no residual activity; all target grasses must be emerged and actively growing before application.
Extreme weather & stress conditions (e.g. dry or cold periods) can impair performance of SWORD.</td></tr>
<tr><td>Wash-out procedure</td><td>Standard wash-out, however it is recommended to clean sprayer/filters/lines with water & suitable tank-cleaning agent if subsequently using to treat sensitive crops, e.g. barley, oats, or grassland.</td></tr>
<tr><td>Water volume</td><td>
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<tr><th>Minimum water (at full dose)</th><th>Recommended water (label)</th></tr>
<tr><td>-</td><td>110-200 l/ha water</td></tr>
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<tr><td>Tank mix</td><td>
Do not tank mix SWORD with hormone herbicides (e.g. mecoprop-P, MCPA, 2,4D), non-listed sulfonylurea herbicides (Attribute, Monitor, Pacifica Plus, etc.), carfentrazone or cinindon-ethyl containing products.
Avoid use in close sequence with hormone-containing herbicides:

If SWORD is applied first, leave 7 days prior to hormone application.
If mecoprop-P or dichlorprop-P is applied first, leave 14 days prior to SWORD application.
If MCPA or 2,4-D is applied first, leave 21 days prior to SWORD application.

SWORD may be applied in tank mix with a range of other crop protection products where conditions are suitable, access to the target weeds is good and the application timings coincide.
SWORD has been tested for physical compatibility with a range of fungicides, herbicides, insecticides and PGRs. Details and results of certain 2-way and 3-way mixes can be found in the TankMix App in the Tools & Advice section of the Nufarm website www.nufarm.com/uk.
Physical compatibility of any mix does not constitute a recommendation to use. No tests have been caried out in relation to biological compatibility, product performance or crop safety. All mixes assume starting with a clean sprayer, that each product is fully dispersed before adding the next and continuous agitation is maintained throughout mixing and spraying.
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<tr><td>Following crop information</td><td>In the event of crop failure following an application of SWORD +/- adjuvant, any broad-leaved crop may be drilled, or any cereal crop may be drilled after a minimum 3 week interval.
Following a normal harvest any broad-leaved or cereal crop may be drilled.</td></tr>
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Use plant protection products safely. Always read the label and product information before use.

For label and safety information, please refer to the Nufarm website: www.nufarm.com/uk

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