

PRODUCT INFORMATION GUIDE

# CEREAL HERBICIDES - AUTUMN 2021

Clayton Plant Protection offers a wide range of leading herbicides for cereal crops this autumn. Achieving good crop establishment to maximise yields relies on effective, early season control of grass and broad-leaved weeds. Careful planning in terms of product choice and the effective stacking of residual herbicides for pre- and post-emergence weed control will help growers achieve the best start. Our products can help put in place the correct **building blocks for successful weed control**.

**CLAYTON FACET XL®**  
**CLAYTON SABRE XL®**  
**CLAYTON ASPECT XL®**

*SC formulations containing  
400g flufenacet and 100g diflufenican*

**CLAYTON TACIT®**

*SC formulation containing 480g flufenacet*

**CLAYTON COMPLY®**

**CLAYTON OBEY®**

*EC formulation containing 800g prosulfocarb*

**CLAYTON EL NINO®**

*SC formulation containing 500g diflufenican*

**PENDIFIN® 400SC**

*SC formulation containing 400g pendimethalin*

## What are the benefits of early weed control?

Early season weed control is vital for establishing cereal crops successfully. Weeds compete with emerging crops for light, soil moisture and nutrients, so can severely damage yield potential in the early stages.

Tackling weeds effectively before crop emergence and in the first 7-10 days after crop emergence will protect against yield losses. For certain weeds including blackgrass there are very few effective post-emergence herbicides, so tackling these weeds early is the only effective option.

*"With an expanding range of proven generic formulations, Clayton can provide growers valuable choices, flexibility and the ideal platform for tackling blackgrass control this autumn with focus on core 'residual stacking' in the weed control programme."*

Typically, as few as 10 blackgrass plants/m<sup>2</sup> can lead to a potential 5-10% yield loss in winter wheat, so both cultural control and targeted chemistry are essential in an effective blackgrass management strategy.

Cultural practices like delaying drilling until mid-October allow stale seedbed techniques to be used pre-drilling helping to provide a better platform for pre-emergence herbicides. Sufficient soil moisture is important for blackgrass germination and the efficacy of residual herbicides therefore cultivation techniques should be managed accordingly.

Good practice for best performance from pre-emergence herbicides is to ensure a consolidated seedbed, without trash or too many clods. Effective timing (applying pre-emergence herbicides within 48 hours of drilling) will further improve overall product performance.

Product choice remains vital to tackling blackgrass on farm with 'residual stacking' of core active ingredients often necessary to manage populations effectively.

## Effective residual stacking is vital.

Tank mixes (where several products are applied together) or stacking and sequencing (where several products are applied in close succession) are more effective at controlling grass weed populations than individual products. Residual modes of action are vital for effective blackgrass control and pre-emergence options are less affected by resistance issues than some post-emergence options. Recent AHDB research highlighted flufenacet as a key active to start with in blackgrass control programmes and that further actives are then necessary to achieve good levels of control.



Our generic range of flufenacet co-formulated products Clayton Facet XL<sup>®</sup> / Sabre XL<sup>®</sup> / Aspect XL<sup>®</sup>, all formulated to a high quality in the UK, or our straight flufenacet option Clayton Tacit<sup>®</sup> all offer a great start point for weed control this autumn.

The herbicide stack should be tailored according to the specific farm and field situation to maximise overall control levels based on the individual weed burden and spectrum, assessing the need for broad-leaved weed control as well as grass weed control.

With a broad supporting range of herbicides containing key actives such as Clayton Comply<sup>®</sup> / Obey<sup>®</sup> (proflucarb), Clayton El Nino<sup>®</sup> (diflufenican) and Pendifin<sup>™</sup> 400SC (pendimethalin), our residual product range allows for a robust, targeted programme that can be adapted to individual situations. Our products provide good choice and flexibility for target treatments this autumn right across the pre-emergence, early post-emergence or late post-emergence timing slots.



## PRODUCT PROFILES. A QUICK GUIDE

### CLAYTON COMPLY®, OBEY® HERBICIDES

**Contains:** 800 g/l prosulfocarb

**Crops:** winter wheat and winter barley.

**Use rate:** apply at 5.0 l/ha pre-emergence or 3.0 l/ha early post-crop emergence up to early tillering (GS21).

**Target weeds:** *Rough-stalked meadow-grass, Common Chickweed, Speedwells, Cranesbill, Forget-me-not, Red Deadnettle, Black Nightshade (all Susceptible) and Annual Meadow-grass, Loose silky bent and cleavers (Moderately susceptible).*

### CLAYTON EL NINO® HERBICIDE

**Contains:** 500 g/l diflufenican

**Crops:** wheat, barley, durum wheat, rye and triticale.

**Use rate:** apply at 0.25 l/ha pre or post-crop emergence in winter wheat & winter barley or 0.2 l/ha pre-em in rye and triticale.

**Target weeds:** *A wide range of susceptible BLWs, see label for full details.*

### CLAYTON FACET XL®, CLAYTON SABRE XL®, CLAYTON ASPECT®

\*NEW EXTENDED LABELS\*, HERBICIDES

**Contains:** 400g/l flufenacet and 100g/l diflufenican

**Crops:** winter wheat, spring wheat, winter barley and spring barley.

**Use rate:** apply at up to 0.9 l/ha (as a split dose\*) for pre-emergence and post-crop emergence use. \*0.6 L/ha until 31 March in the year of harvest and 0.3 L/ha after 31 March in the year of harvest.

**Target weeds:** *Annual Meadow-grass, Common Chickweed, Common Field-speedwell, Forget-me-not, Field Pansy, Groundsel, Mayweeds, Red Deadnettle (all Susceptible) and Blackgrass (Moderately Susceptible).*

### CLAYTON TACIT® HERBICIDE

**Contains:** 480g/l flufenacet

**Crops:** winter wheat and winter barley.

**Use rate:** apply at 0.5 l/ha for pre-emergence and early post-emergence use.

**Target weeds:** *Annual Meadow-grass, Blackgrass and Loose silky bent-grass (all Susceptible).*

### PENDIFIN™ 400SC HERBICIDE

**Contains:** 400 g/l pendimethalin

**Crops:** winter wheat, winter barley, durum wheat, winter rye and winter triticale.

**Use rate:** apply at 3.3 l/ha post-emergence up to 4 leaves.

**Target weeds:** *Annual Meadow-grass and a wide range of ABLWs (all Susceptible), see label for full details*

## Find Out More

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### Top Performance Products

Our wide portfolio and comprehensive compatibility support ensure we provide a premium service to growers and agronomists. Our generic products have been developed, authorised and manufactured in Europe to guarantee highest quality formulation and performance at cost-effective pricing.

Full product labels and further information can be found at **www.claytonpp.com**



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