

# Product Information Guide

AUTUMN OSR FUNGICIDES & CEREAL HERBICIDES

2023

**CLAYTON** 

# Trusted plant protection solutions.

Clayton Plant Protection formed in 1991, recently celebrated over 30 years in the Ag industry, and have evolved rapidly to market and distribute a wide range of crop protection products across UK and European markets.

The company is wholly family owned with an excellent reputation in the industry for trust, building established relationships and high-quality products with a known provenance. Clayton is continuously innovating to provide cost effective product options and uniquely, ensures an alternative choice for customers and growers to the larger multinational Ag businesses.



David O'Mahony, Managing Director





## CONTENTS

### OILSEED RAPE

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Protecting oilseed rape crops cost-effectively this autumn. **4**

OSR Fungicides - autumn range **5**

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### CEREALS

---

Safe-guard cereals with effective weed control this autumn. **6**

Cereal Herbicides - autumn range **7**

Herbicide residual stacking **8**

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### PRODUCT SUMMARY

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OSR Fungicides & Cereal Herbicides **9**

Growing product range **10**

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## OILSEED RAPE

### Protecting oilseed rape crops cost-effectively this autumn.

For the best start, closely monitor crops for Phoma and Light leaf spot spray thresholds\* in the autumn period and treat with broad-spectrum protective and systemic fungicides (with either straight or co-formulated product options) where required.

Disease management to control damaging diseases in the autumn is vital, where losses to Light leaf spot can be as much as 1.0t/ha, and typical yield reductions to Phoma infection are 0.5t/ha in susceptible varieties. AHDB data shows average yield responses to a two-spray autumn fungicide programme at 0.3t/ha.

**\*Phoma spray threshold:** 10–20% plants infected (use lower threshold on more susceptible varieties and/or where plants are small).

**\*Light leaf spot threshold:** as soon as infection is seen (to confirm disease, incubate leaves).

**Light leaf spot should be prevented from developing early.** Good protection from subsequent disease development will be provided by a protective application of prothioconazole or tebuconazole in autumn/winter after GS20 (usually late October to early December). Follow up spray(s) with an alternative product may be required in the spring from stem elongation, depending on disease development.

Phoma leaf spot/Stem canker can be found from October onwards and best control of stem canker may be expected from an autumn application (after GS 20) of prothioconazole or tebuconazole based products applied at the first sign of disease. A repeat application of an alternative effective product in late autumn/winter may be required if symptoms reoccur.





### Clayton Navaro®

- One product solution for early autumn disease control
- Dual-active prothioconazole (125g) and tebuconazole (125g) co-formulation
- Targeting damaging Light leaf spot and Phoma
- Additional beneficial growth regulatory effect on forward crops

### Clayton Tuskar®

- High-loaded, straight prothioconazole (250g) EC formulation
- Powerful systemic, protectant and curative fungicide for wide disease control options
- Targeting damaging Light leaf spot and Phoma
- Flexible tank mix compatibility options with other autumn actives

### Clayton Trellis®

- Powerful solution for both Phoma and Light leaf spot control
- EC formulation with high-loaded 160g prothioconazole and 80g tebuconazole
- Proven approach to autumn OSR disease management
- Offers complementary strengths of both tebuconazole and prothioconazole
- Added convenience of a one can solution, for cost-effective, rounded protection

### Clayton Tebucon® 250 EW

- High-loaded, straight tebuconazole formulation
- Cost-effective disease control option
- Beneficial growth regulatory effect on forward crops

## CEREALS

### **Safe-guard Cereals with effective weed control this autumn.**

Clayton 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 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 **programme for successful weed control**.

**Early season weed control is vital for establishing cereals successfully.** Weeds compete with emerging crops for light, soil moisture and nutrients, so can severely damage yield potential in the early stages. Tackling weeds before crop emergence and in the first 7-10 days after crop emergence will protect against yield losses.

For certain weeds like blackgrass there are very few effective post-emergence herbicides, so targeting these weeds early is the only effective option. 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 good cultural practices and targeted chemistry are essential in an effective blackgrass management strategy to provide a better platform for pre-emergence herbicides. Product choice remains vital to tackling blackgrass with 'residual stacking' of core actives often necessary to manage populations effectively.

Our range of flufenacet co-formulated products offer the choice and flexibility for a great start point for weed control this autumn, and the ideal platform for tackling blackgrass. Our leading generic labels and comprehensive compatibility support ensure we provide a premium service to growers and agronomists.



### Clayton Facet® XL, Clayton Sabre® XL

- Dual-active flufenacet (400g) and diflufenican (100g) SC co-formulation
- Targeting problem grass and broad-leaved weeds in cereals
- Wider labels with more use approvals than other generics, including spring wheat and barley
- Higher maximum total dose: 0.9 L/ha than other generic competitors, for powerful weed control
- Added flexibility with sequential split dose applications: 0.6L/ha (until 31 March) followed by 0.3L/ha (after 31 March)
- Later cut-off spring application timings to GS23 (winter wheat) and GS24 (winter barley)

### Clayton Comply®

- Straight prosulfocarb (800g) EC formulation
- Powerful grass and broad-leaved weed control in cereals

### Clayton El Nino®

- SC formulation with 500g diflufenican
- Flexible mixer option for autumn weed control

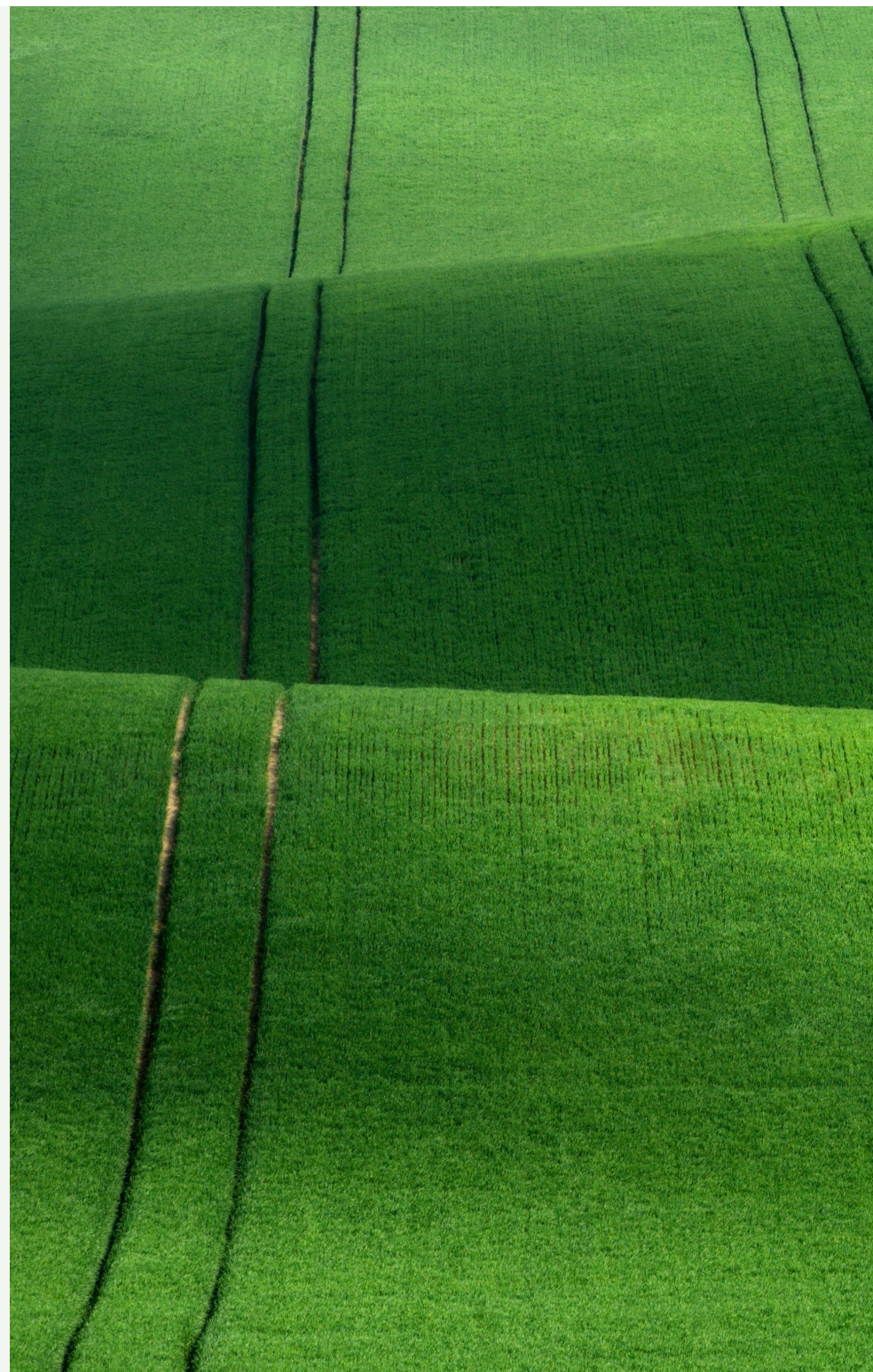
### **Effective residual stacking is vital.**

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.

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

With a wide range of supporting herbicides containing actives such as prosulfocarb and DFF, our residual products allows for a robust, targeted programme that can be adapted to each situation. Clayton can provide choice and flexibility this autumn across pre-emergence, early post-emergence or late post-emergence timing slots.





## OSR FUNGICIDES

### FUNGICIDES **F**

**Clayton Navaro®** 125 g/l prothioconazole and 125 g/l tebuconazole

**Crops:** include oilseed rape.

**Use rate:** apply at 1.0 l/ha, in a water volume of 100–400 L/ha, with a maximum 2 applications per crop (2 L/ha maximum dose).

**Target diseases (Autumn):** *Light leaf spot (reduction), Phoma leaf spot/stem canker (control).*

**Clayton Trellis®** 160 g/l prothioconazole and 80 g/l tebuconazole

**Crops:** include oilseed rape.

**Use rate:** apply at 1.0 l/ha, in a water volume of 100–400 L/ha, with a maximum 2 applications per crop (2 L/ha maximum dose).

**Target diseases (Autumn):** *Light leaf spot (reduction), Phoma leaf spot/stem canker (control).*

**Clayton Tuskar®** 250 g/l prothioconazole

**Crops:** include winter oilseed rape.

**Use rate:** apply at 0.7 l/ha, in a water volume of 100–330 L/ha, with a maximum number 2 applications recommended.

**Target diseases (Autumn):** *Light leaf spot (moderate control), Phoma leaf spot/stem canker (control).*

**Clayton Tebucon® 250 EW** 250 g/l tebuconazole

**Crops:** include oilseed rape and linseed.

**Use rate:** apply at 0.5 l/ha between growth stages BBCH 14 and at or before BBCH 19 or at 1.0 l/ha at or after BBCH 20.

**Target diseases (Autumn):** *Light leaf spot, Phoma leaf spot and stem canker control.*

## CEREAL HERBICIDES

### HERBICIDES **H**

**Clayton Facet XL®, Clayton Sabre XL®** 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 Comply®** 800g/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®** 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.*

# Growing product range.

With a rapidly expanding portfolio of proven, high-performance formulations, Clayton gives growers the choices they need for tackling key disease, pest and weed problems across a wide range of crops.

Our range of products are developed, authorised and manufactured in the UK or Europe to guarantee the highest formulation quality for growers at cost-effective pricing.

HERBICIDES



FUNGICIDES



INSECTICIDES



PGR'S



## NOTES

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*\*Information in this update does not constitute a recommendation, it is for guidance only. Up-to-date information can be found on our website claytonpp.com. Brand names used in this update are trademarks of Clayton Plant Protection and of other manufacturers, in which proprietary rights may exist. Use plant protection products safely. Always read the label and product information before use. Always consider Best Practice for managing fungicide resistance.*

## FIND OUT MORE

For further information on products in this brochure and our full product range please scan the QR code below or visit our website [www.claytonpp.com](http://www.claytonpp.com)

You can also sign up and subscribe free of charge to our monthly newsletter to keep fully up to date with technical, product related and other useful news and information from the company.

SCAN



+353 1 8210127



[www.claytonpp.com](http://www.claytonpp.com)



Clayton Plant Protection Ltd,  
Bracetown Business Park,  
Clonee, Dublin 15, Ireland.



[claytonpp.com](http://claytonpp.com)