



PRODUCT INFORMATION GUIDE

MAIZE HERBICIDES

CLAYTON PLANT PROTECTION - PRODUCT RANGE

Clayton Plant Protection offers growers a broad range of 8 leading herbicides for maize crops this Spring. Getting good crop establishment to maximise yield relies on effective, early season weed control. Careful planning in terms of product choice and weed control management will help achieve the best start. Crucial to this (before crop protection) are good cultivations to ensure a firm, moist seedbed allowing better crop growth.

WHAT ARE THE BENEFITS OF EARLY WEED CONTROL?

Early season weed control is vital for establishing maize crops successfully. Weeds compete with the emerging crop for light, soil moisture and valuable nutrients, so can severely damage the crop's yield potential in the early stages. It is key to tackle weeds effectively both before crop emergence and in the first 7-10 days after crop emergence, to protect against these yield losses.

CROP PROTECTION TIMINGS TO TARGET THIS SPRING...

1. Post-drilling, pre-emergence options:

Early season weed control starts with assessing the weed species threat and general field conditions and using a high performance, pre-emergence herbicide (e.g. **Clayton Smelter**[®]) to provide a clean, weed free start with added options for later post-emergence applications.

CLAYTON SMELTER[®]

Clayton Smelter[®] 960 g/l S-metolachlor in an EC formulation, for the control of certain annual broad-leaved weeds and grasses in forage and grain maize.

Mode of action: fast-acting chloroacetamide herbicide for all soil types. Activity based on root uptake so adequate soil moisture is a pre-requisite for uptake.

Use rate: apply at 1.4 l/ha post-drilling but pre-emergence of the crop.

Target weeds: *Red Deadnettle, Mayweed spp., Common Field-speedwell, Annual Meadow-grass & Sow-thistle (all Susceptible) and Common Chickweed, Fat-hen & Cockspur grass (Moderately susceptible).*

Tank mix compatibility: as a parallel import product Clayton Smelter[®] carries the same tank mix options as the reference product (Dual Gold).

2. Pre-emergence and early post-emergence options:

Targeting the critical early phase of crop establishment, **Clayton Launch**[®] controls a broad range of weed species and has a wide spray window allowing flexibility. Other benefits are control of late emerging weeds beyond latest application timings for contact herbicides.

CLAYTON LAUNCH[®]

Clayton Launch[®] 212.5 g/l dimethenamid-p and 250 g/l pendimethalin in an EC formulation for the control of a range of weeds in forage and grain maize.

Mode of action: residual herbicide acting on weeds during germination/early development. Both actives complement each other well in terms of solubility and soil adsorption, with soil moisture needed to activate herbicidal activity.

Use rate: apply at 4.0 l/ha after sowing before crop emergence or post-crop emergence when at 1-4 leaves crop stage (GS 10-14).

Target weeds: *Black-bindweed, Charlock, Common Chickweed, Henbit Dead-nettle, Red Dead-nettle, Fat-hen, Hemp-nettle, Knotgrass, Corn Marigold, Mayweed spp., Annual Meadow-grass, Black Nightshade, Common Orache, Pale Persicaria, Scarlet Pimpernel, Redshank, Shepherd's-purse, Speedwell spp. & Volunteer oilseed rape (all Susceptible) and Field Forget-me-not, Groundsel, Field Pansy, Common Poppy & Sow-thistle (Moderately susceptible).*

Tank mix compatibility: as a parallel import product, Clayton Launch[®] carries the same tank mix options as the reference product (Wing-P). Can be tank mixed with a contact partner to broaden spectrum.

PENDIFIN[™] 400SC

Pendifin[™] 400SC 400 g/l pendimethalin in an SC formulation, for the control of various annual grasses and broad-leaved weeds in forage and grain maize.

Mode of action: fast-acting dinitroaniline herbicide for pre-em weed control on all soil types.

Use rate: apply at 3.33 l/ha up to 4 leaves.

Target weeds: *wide range, see label for full details.*

Clayton warrant all tank mixes supported for competitor pendimethalin SC formulations. Pendifin[™] is a generic formulation marketed and distributed in the UK by CPP on behalf of Finchimica S.p.A.



3. Post-emergence options:

At this timing, it is important to make the right choice of herbicide or tank mix to tackle the full weed spectrum in your crop at this time, assessing the need for BLW control as well as any grass weed control required.

CLAYTON GOLDCOB® & CLAYTON TASSEL®

Clayton Goldcob® / Clayton Tassel® 100 g/l mesotrione in an SC formulation, for the control of important annual broad-leaved weeds and cockspur grass in forage and grain maize.

Mode of action: fast-acting nitrobenzoyl herbicide which is active against a wide range of broad-leaved weeds. Uptake is predominantly by foliar absorption with soil absorption of secondary importance.

Use rate: apply at 0.75 l/ha for susceptible BLWs and 1.5 l/ha for cockspur grass, during 2 and 8 leaves of the crop when weeds actively growing and at seedling stage.

Target weeds: *Common Amaranth, Charlock, Common Chickweed, Fat-hen, Black Nightshade, Redshank, Field Pansy, Volunteer oilseed rape and Cockspur grass (all Susceptible).*

Tank mix compatibility: as a parallel import licence, Clayton Goldcob® carries the same tank mix options as the reference product (Callisto). For details on tank mixes for our generic formulation Clayton Tassel®, please contact us.

CLAYTON KIBO®

Clayton Kibo® 750 g/kg prosulfuron in a WG formulation, for the control of certain annual broad-leaved weeds in forage and grain maize.

Mode of action: fast-acting SU herbicide for all soil types, active against a range of broad-leaved weeds, absorbed by both leaves and roots.

Use rate: apply at 20 g/ha, at 2-4 true leaves stage.

Target weeds: *Black-bindweed, Bugloss, Common Chickweed, Broad leaved Dock (seedling), Common Fumitory, Groundsel, Knotgrass, Mayweed spp., Scarlet Pimpernel, Redshank, Shepherd's-purse and Prickly Sow-thistle (all Susceptible). Amaranth, Common Fat-hen and Annual Mercury (Moderately susceptible).*

Tank mix compatibility: as a parallel import product, Clayton Kibo® carries the same tank mixing options as the reference product (Peak).

CLAYTON BRAMBLE® & CLAYTON NERO®

Clayton Bramble® / Clayton Nero® 25% w/w rimsulfuron in a WG formulation, for broad-leaved weed control in forage maize.

Mode of action: fast-acting SU herbicide active against a range of BLWs. Activity is primarily by foliar uptake.

Use rate: apply at 50 g/ha, from after crop emergence to before the 4th collar has fully emerged. Addition of a non-ionic wetting adjuvant at 0.1 % v/v is also recommended.

Target weeds: *Charlock, Common Chickweed, Cleavers, Red Dead-nettle, Scentless Mayweed, Small Nettle and Volunteer oilseed rape (all Susceptible) at cotyledon to 2 leaf and 2 to 6 leaf stages. Redshank also susceptible at the earlier stage. Black Bindweed, Knotgrass, Black Nightshade and Pale Persicaria (Moderately susceptible) at cotyledon to 2 leaf. Useful suppression of common couch can result when application coincides with the weed at 4-6 leaves stage.*

Tank mix compatibility: as parallel import product, Clayton Bramble® and Clayton Nero® carry the same tank mixing options as the reference product (Titus).

FIND OUT MORE

For further information refer to the CPP product labels and note that under EU regulations (EC 1107 / 2009) all EAMUs approved for the reference product automatically apply to the parallel using that reference. So, all Clayton parallel products have the same full label advantages and extended uses for growers.

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

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