



Winter Linseed Bulletin

01/16

Seed Deliveries

Seed deliveries are underway.

Crop Establishment

Start clean - make sure that any volunteers or weeds are killed off before planting by spraying with Roundup. Ensure seedbeds are not compacted.

Fertiliser

Nitrogen: Winter Linseed does not usually benefit from Autumn applied Nitrogen.

P & K: Peak demand for P&K is in the Spring. For P&K indices of less than 2, an application will be required in the Autumn to aid establishment. These can be applied flexibly to fit in with usual farm fertiliser policy. Ensure the value of all organic manure is accounted for in P & K calculations. For a 3.0 tonne/hectare crop, Winter Linseed needs the following total P&K;

Magnesium: Ensure the soil index is maintained at Index 1.

Soil Index	P (kg/ha)	K (kg/ha)	Timing
0	100	90	Split Autumn & Spring
1	100	65	
2	50	40	At anytime
3+	0	0	

Drilling Date

- Winter Linseed requires planting into warm, moist soil.
- Sowing date should be sufficiently early to allow good establishment (7.5 cm tall crop) before Winter.
- Generally sow from the *end of August to* :
 - 15th September in the North
 - 25th September in the Midlands
 - End of September in the South
- Conditions are far more important than sowing date. Later sowing allows enhanced stale seedbed usage.

Continued overleaf

Cultivation

Winter Linseed likes a firm, well consolidated seedbed and so is particularly suited to min-till/direct drill situations.



Less than ideal conditions



Better

Sowing Depth

- Sow 2.0 – 3.0 cm deep (of settled soil) - depth is important for herbicide safety.
- Rolling after sowing provides ideal seed/soil contact, rapid emergence and provides the best surface for herbicide use.
- On light soils especially, the rolling needs to be substantial to minimise risk of frost lift.

Seed Rate

Please note that all seed is supplied in half hectare packs. The weight of the pack is shown on the official seed label on each pack, please calibrate drills accordingly.

PRE-EMERGENCE WEED CONTROL

Pre-emergence herbicide is required as the first step in a sequenced weed control programme.

Blackgrass Situations – Pre-Emergence

- *Optimise the Use of Avadex*
- Applied 'at planting' Avadex can give 80% Blackgrass control and excellent weed sensitisation.
- Applied 1 week after planting this level of control drops to 50% with reduced sensitisation – it is hence essential to apply Avadex synchronously with planting.

Product	Rate	Notes
Avadex Excel 15 g	15 kg/ha	Immediately after sowing

If contractors are being used (and timeliness of application is difficult) or if conditions are dry it may be better to have the granules applied up to a week before planting and harrowed in; the crop then being drilled through the herbicide and rolled.

Avadex Excel 15 g will give good control of Meadow Grass and some ABLW (Charlock, Chickweed, Cleaver, Fumitory, Mayweed, Pansy, Poppy)

Annual Broad Leaf Weeds

The following gives excellent pre-emergence weed control of most weeds:

Product	Rate	Notes
Callisto	0.75 lt/ha	Pre crop emergence

Note: Using Callisto should mean other ABLW can be left until Spring (and reduces the need to use an Autumn applied SU), giving a full range of products to choose from.

POST-EMERGENCE WEED CONTROL

Volunteer Cereal Control

Most 'fop or dim' herbicides can be used in Winter Linseed in the Autumn. Tackle volunteer cereals early whilst growing conditions are good.

Most of these 'fop & dim' products can be used from very early crop growth stage and at reduced rates to control cereals volunteers before they have 3 leaves – so apply early at the lowest recommended rate.

A suitable example would be:

Product	Rate	Notes
Fusilade Max	0.4 lt/ha	When the crop has 2 true leaves Volunteers <2 true leaves By the end of October latest

When used at higher dose rates and in poorer growing conditions crop check can be severe and growth sensitised to following herbicides. Avoid high rates of applications and or spraying once growth has slowed.

Centurion Max – update

The EAMU application for Centurion Max on linseed is progressing well –fingers crossed we should have it time for use this Autumn. We will inform growers as soon as there is more news.

FULL POST-EMERGENCE HERBICIDE OPTIONS WILL BE DISCUSSED IN LATER BULLETINS

Pests

Winter Linseed is not susceptible to slug damage, flea beetle or other pests, however, always check emerging crops regularly and treat if any problems arise.

Always read the label before using pesticides.

Avadex Excel 15 g and Callisto have EAMU for use in Linseed.

Usage under EAMU is entirely at the grower's risk.