

WA Seed Performance (WASP) Trial 2019

There are two trial sites established this year. The first is a continuation of the trial at Matt Brett's Dardanup property on fertile clay loam, and the second is at Peter Duggan's Cowaramup property on loamy sand. Four replicates of each seed line that is assigned to one site were strategically allocated once in each of the four blocks, with plot size of 1.4 m by 4 m.

An abstract of trial management is provided below.

Table 1. WASP 2019 trial site diary abstract.

Date	Cowaramup (Duggan)	Dardanup (Brett)	Action	Comment
7 May	x	x	Spraying	2L glyphosate for weed control before seeding; 1L chlorpyrifos for pest control (ABB and RLEM)
8 May		x	Seeding	Seeding with fertilizer 180 kg/ha CropBuilder9 (16% N, 8.8% P, 13% S)
15 May	x		Seeding	As above
4 June	x	x	Spraying	300 ml/ha Ken-trel (300 g/L Clopyralid) and miticide (100 ml/ha Bifenthrin)
12 June	x		Fertilizing	100 kg/ha superphosphate SR, 50 kg/ha Muriate of Potash, 130 kg/ha urea. This rate applies throughout trial for whole growing season after each harvest and to not limit potential yield.
18 June		x	Fertilizing	As above
21 June		x	Site Management	Roll/flatten the ridge/inter-row (does not need this action for Cowaramup, as the soil is less 'clayey') Define plot size to 4 m in length and spray plot edges with 2% glyphosate
25 June	x		Site Management	Define plot size to 4 m in length and spray plot edges with 2% glyphosate
4 July	x	x	Site Inspection	Cowaramup: Plots at the west end (Rep. 1-3) are waterlogged, deepest in the centre of the site, app. 3 cm above soil surface. Dardanup: small water pods between plots, not waterlogged
5 July		x	Pest control	Apply snail and slug bait pallet (METAREX, 50 g/kg Metaldehyde) rate: one hand full per plot (sufficient amount)
8 July		x	Harvest 1	
9 July		x	Fertilizing	As above
17 July	x		Harvest 1	
17 July	x		Spraying; Fertilizing	Spraying blank/buffer area with 2% glyphosate Fertiliser rate as above
23 July		x	Spraying	Spraying blank/buffer area with 2% glyphosate