

9.5 CLEARFIELD CANOLA TRIALS - GNARWARRE

Researchers: Peter Best (BASF Crop Protection),
Wes Arnott and Gary Sheppard

Location: Gnarwarre

Aim:

To compare the yield, oil content and weed control of the CLEARFIELD* Production System (CL*) for Canola and TT canola systems.

Varieties:

Pinnacle, 46C72, PACN178

Herbicide:

Pinnacle : 100 ml/ha Lontrel + 100 ml/ha Verdict on
1st September
46C72 & PACN178 : 100 ml/ha Lontrel + 48 ml/ha
OnDuty

Seed Treatment: mesurol 10 g/kg seed

Sowing rate: 4kg/ha (all varieties)

Sowing date: 14th July

Fertiliser:

100 kg/ha MAP to PACN178

100 kg/ha MAP Impact treated to other varieties

Slug Control: Mesurol (recommended rate)

RLEM control: 100 ml/ha Lemat on 8/8 and 1/9

Results:

Due to unreliable crop establishment, accurate data could not be generated. Oil data was however obtained which is given in the following table

Variety	Oil %
Pac 178	43.7
46C72	41.5%
Pinnacle	42.8

9.6 CLEARFIELD WHEAT TRIAL - GNARWARRE

Researchers: Peter Best (BASF Crop Protection),
Wes Arnott and Gary Sheppard

Location: Gnarwarre

Aim:

To compare the yield and weed control of the CLEARFIELD* Production System (CL*) and conventional wheat systems.

Varieties:

Janz (non Clearfield), Declic, Jnz (Clearfield)

Variety Block size: (61.2m wide * 60 m long)

Sowing Date: 14th July

Sowing rate: Declic (100 kg/ha), Janz &
Jnz CL(120 kg/ha)

Results:

Variety	Yield (kg/ha)
Janz	5,436
Jnz CL	4,404
Declic	3,576

LSD = 285 kg/ha

Conclusion:

Janz significantly outyielded both Jnz CL and Declic. Jnz CL was also significantly higher yielding than the Declic

Herbicides:

1.8 L/ha Stomp applied just prior to seeding and incorporated

Midas only applied to Janz CL at 4 leaf stage

Slug Control:

Mesurol recommended rate

Harvest:

The plots were harvested with the DNRE mobile header, with 3 replicates being taken out of each variety. A plot length of 55 metres and a width of 1.7 metres in each case was taken.

Further Information:

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