

The effect of weed competition on growth and yield of canola

David W. Eksteen, Paul Carmody and Christine Zaicou-Kunesch¹

¹ Department of Agriculture, Locked Bag 4, Bently Delivery Centre, WA, 6983, Australia

Resistance to herbicides of both annual ryegrass and wild radish has posed a serious threat to the canola industry. Competitive crop species in conjunction with high seeding rate was investigated as one approach to minimise these weeds. Previous work on crop competition has shown canola to be a poor competitor even with increased seeding rates (99NE45). Therefore time of removal could be more critical in canola than planting density. Three trials were set up to investigate the effect of plant population and time of weed removal on canola seed yield as well as annual ryegrass suppression.