



Sow deep: Equipping canola for effective emergence from deep sowing through breeding for long hypocotyls

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Matthew Nelson and the CSIRO team | 22 October 2024

Australia's National Science Agency





Canola establishment is unreliable in Australia

Is hypocotyl length limiting deep sowing options?

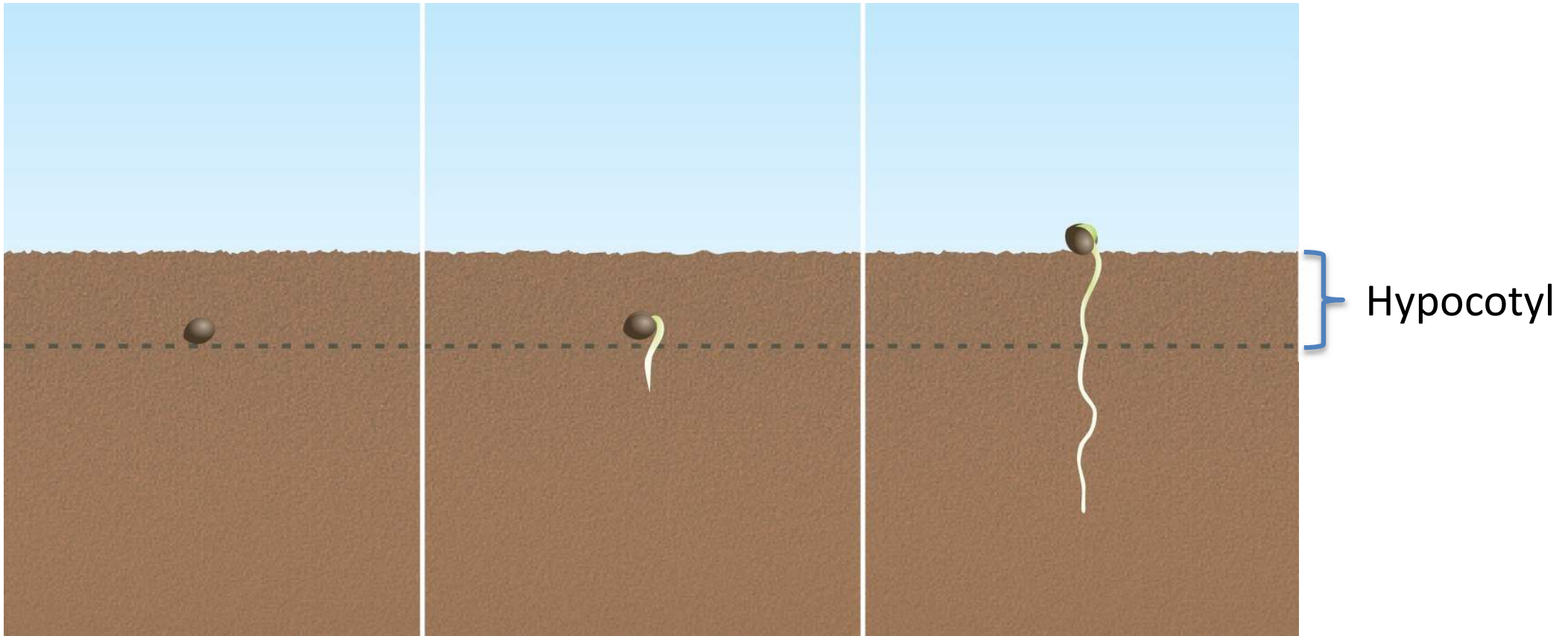
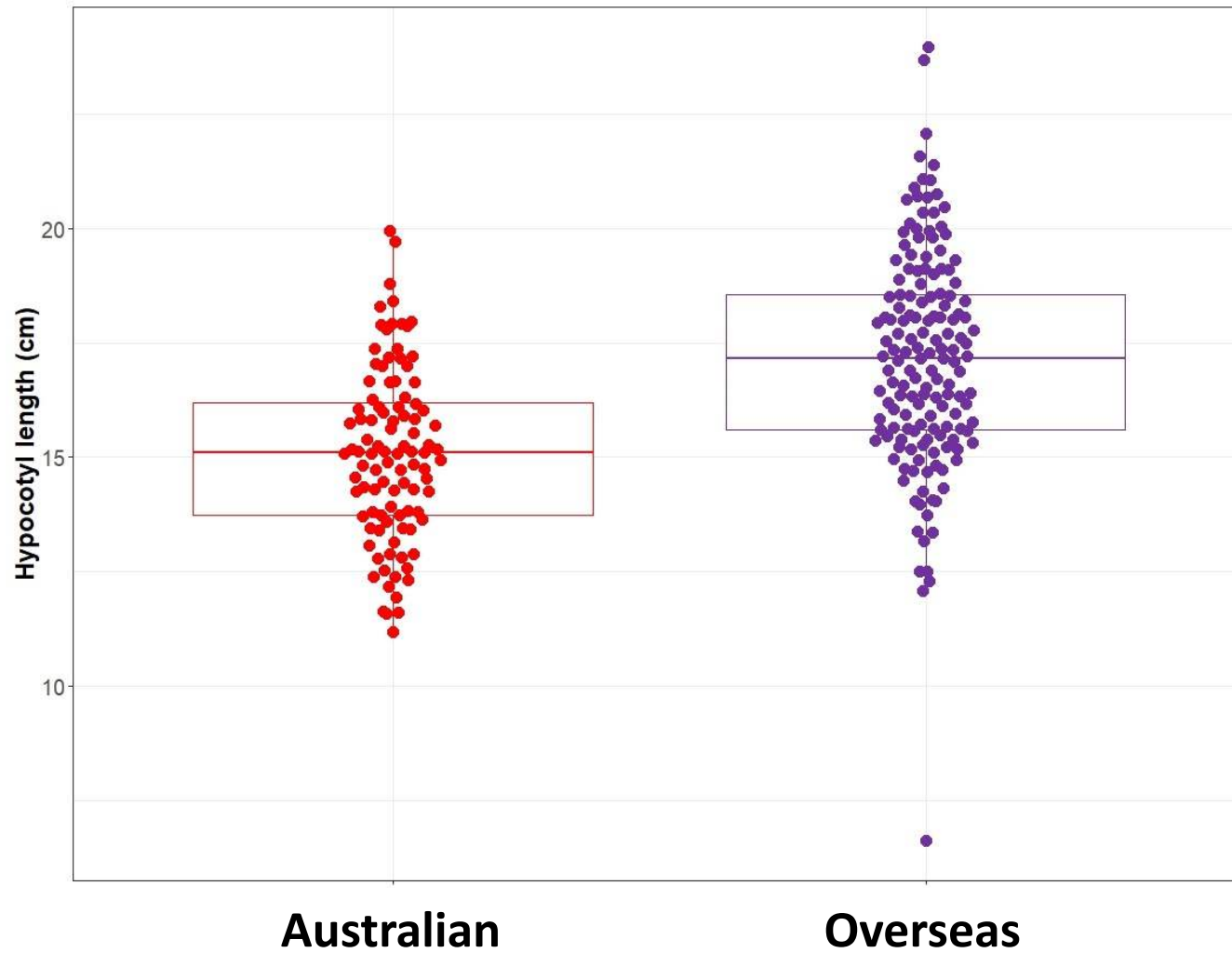
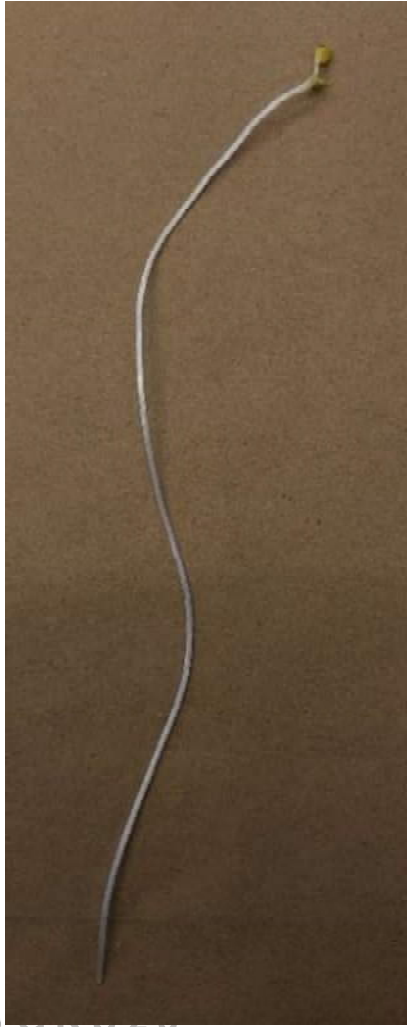
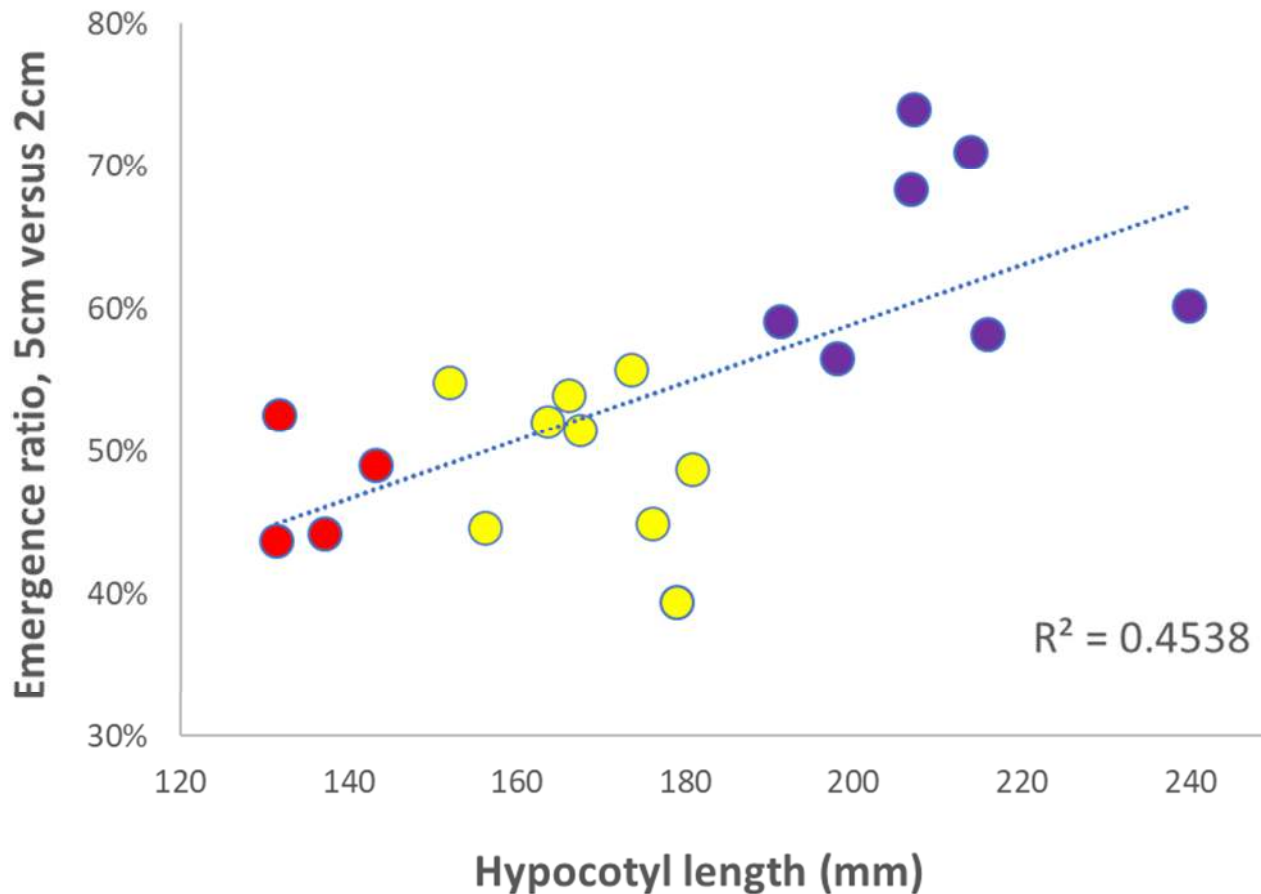


Figure credit: Carl Davies

Australian varieties have short hypocotyls

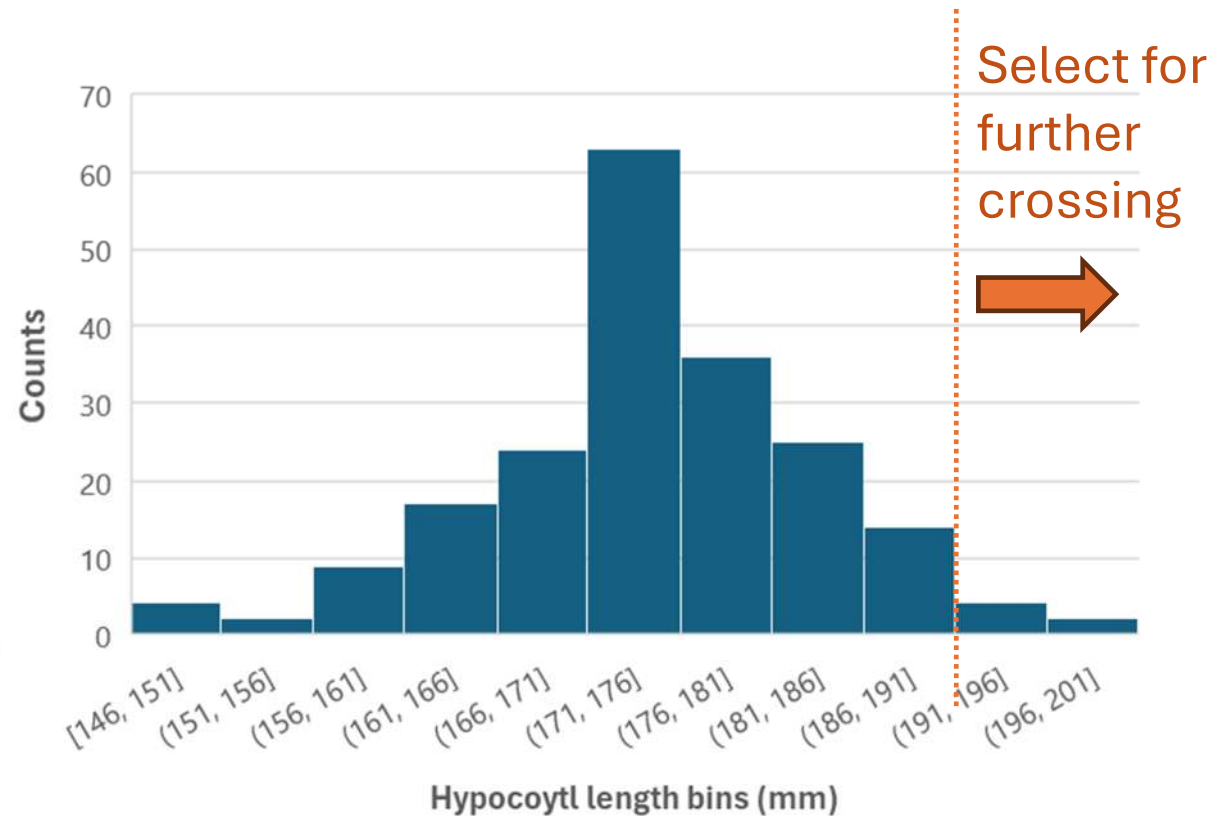
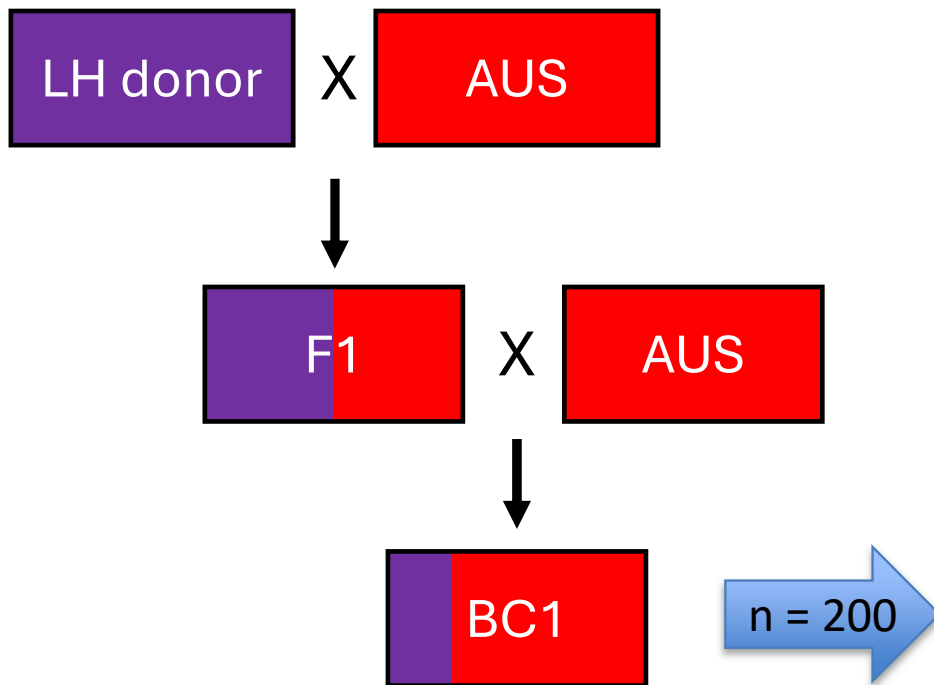


But are short hypocotyls a problem?



- Longest hypocotyl varieties were all from overseas
- Shortest hypocotyl varieties were all historic Australian

A new breed of Australian long hypocotyl canola



Acknowledgements

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