Department of Primary Industries and Regional Development

GOVERNMENT OF WESTERN AUSTRALIA

Protect
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What's new in decision support

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NetBlotchBM – a decision support tool for management of net blotches in barley

New barley tool due in mid-2023

- Phones and tablet devices
- Location specific climate risk
- Meta-analysis of +20 years of net blotch data from WA and Victoria plus some recent data from Queensland – agroecological zones
- National team of plant pathologists guiding development (Kith Jayasena, Geoff Thomas, Andrea Hills, Jason Bradley, Kylie Chambers, Mark McLean and Lisle Snyman)

UCI BlacklegCM – a decision support tool for management of upper canopy infection in canola

Released nationally July 2022

- Phones and tablet devices
- Location specific climate risk
- Steve Marcroft and national canola pathology team guided development
- Used all available data, current knowledge
- The tool will be updated each season as new information becomes available
- Currently not much known about varietal resistance

UCI Symptoms occur on flowers, peduncles, branches and pods

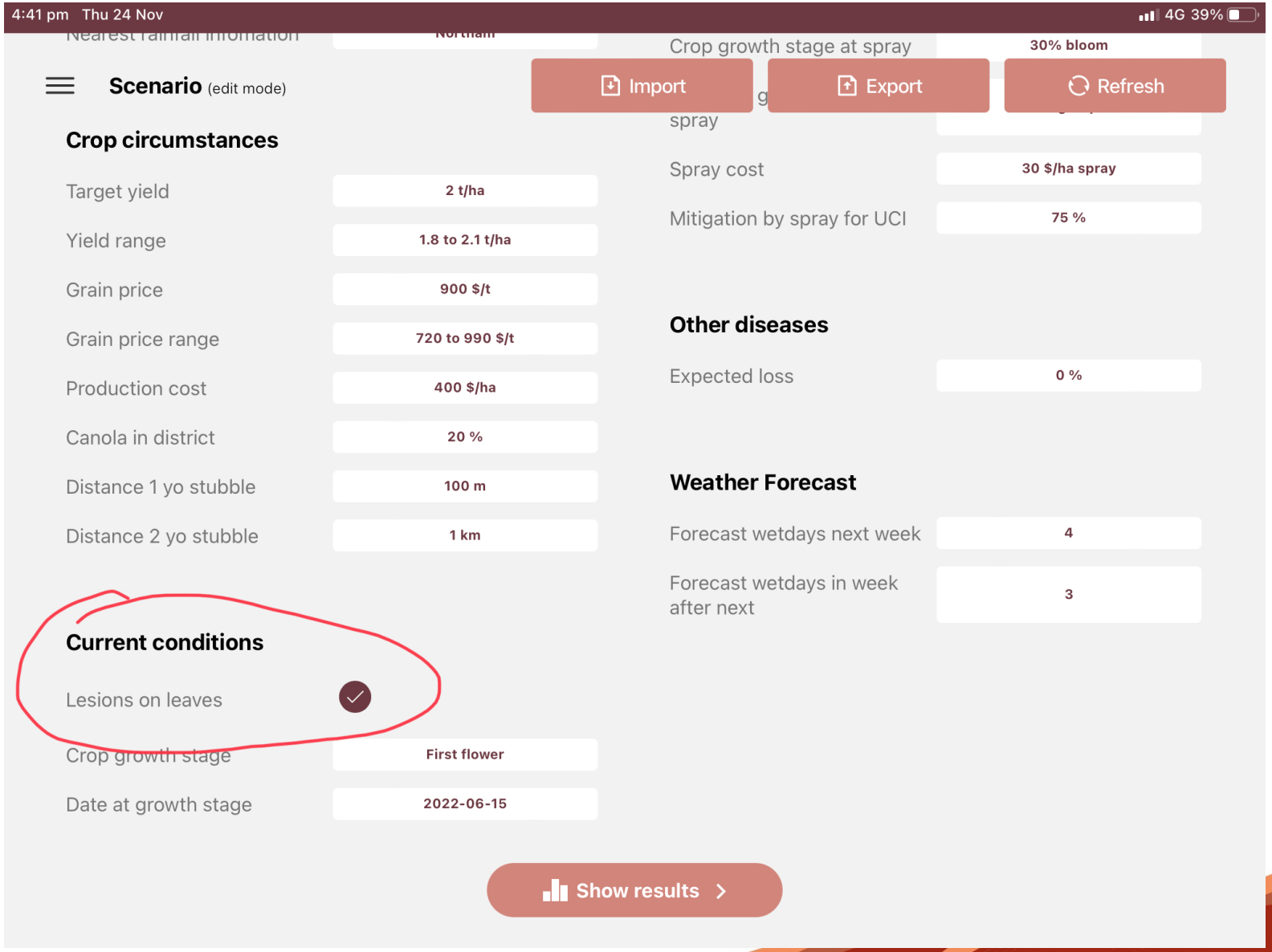
Flower infection
(photo Jean Galloway)

Branch infections

Pod infection
(photo Andrea Hills)

Spray decisions are made before UCI is visible

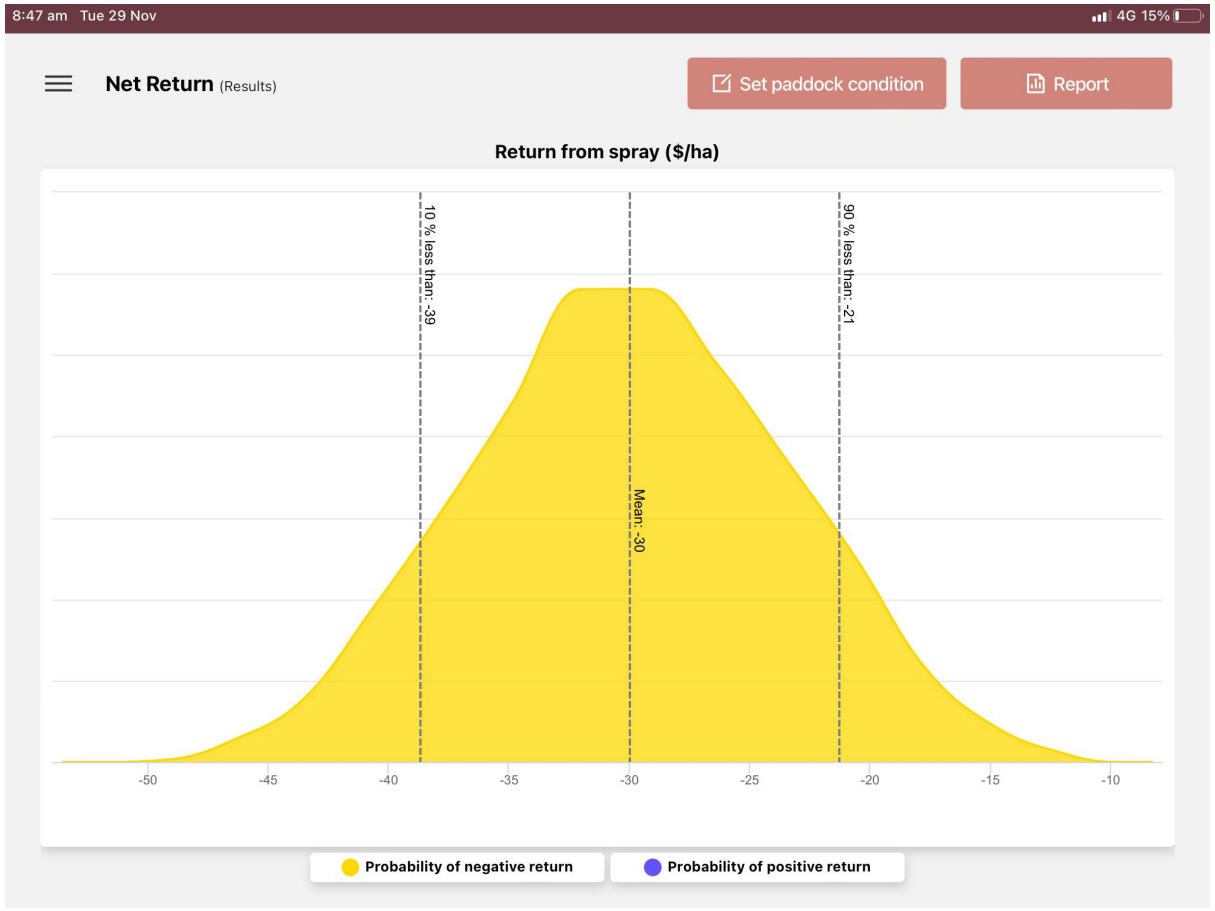
InVigor 4022P on 21 June 22



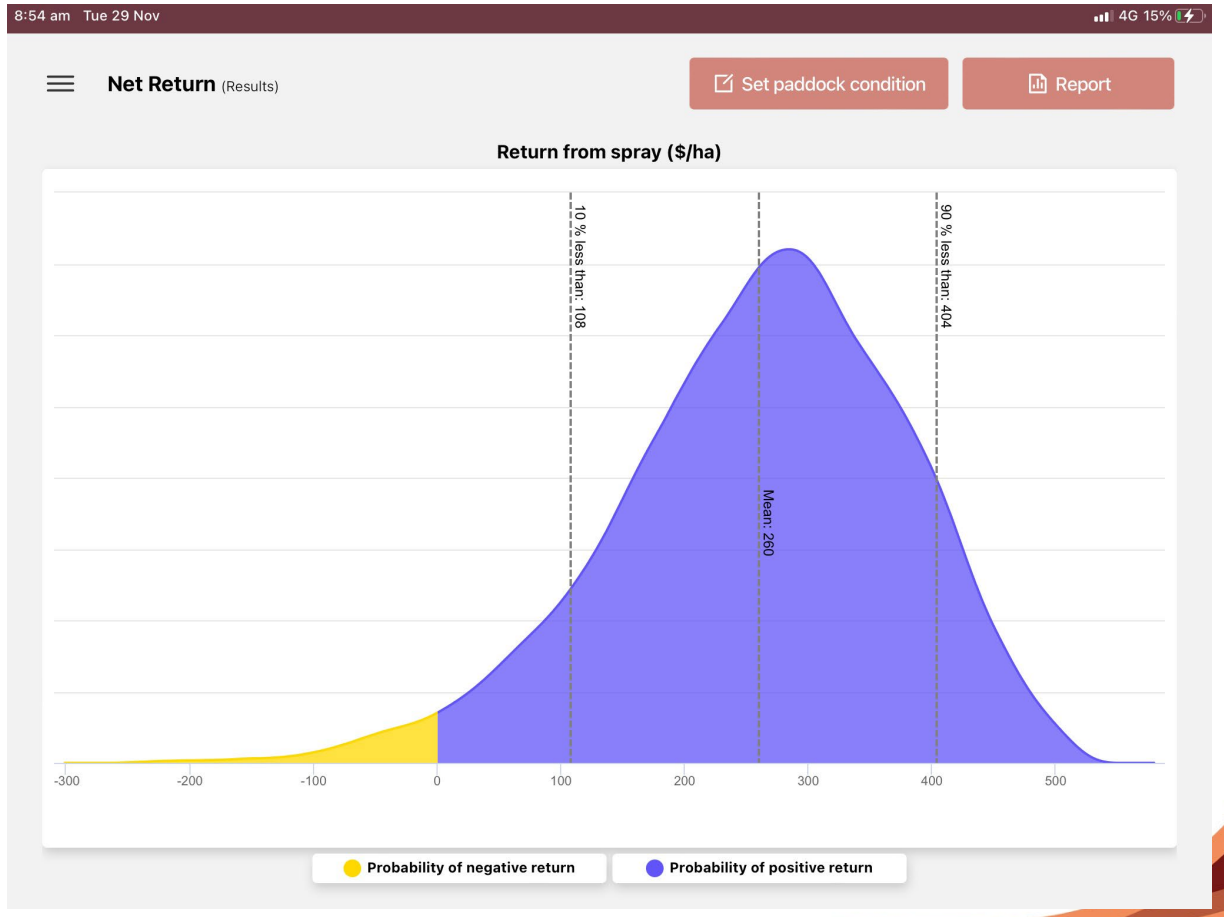
UCI BlacklegCM is currently heavily weighted for the presence of leaf lesions at the start of flowering

Indication that the major genes your variety has are not effective and crop will be susceptible to UCI

No leaf lesions – no probability of a positive return



Leaf lesions – strong probability of a positive return

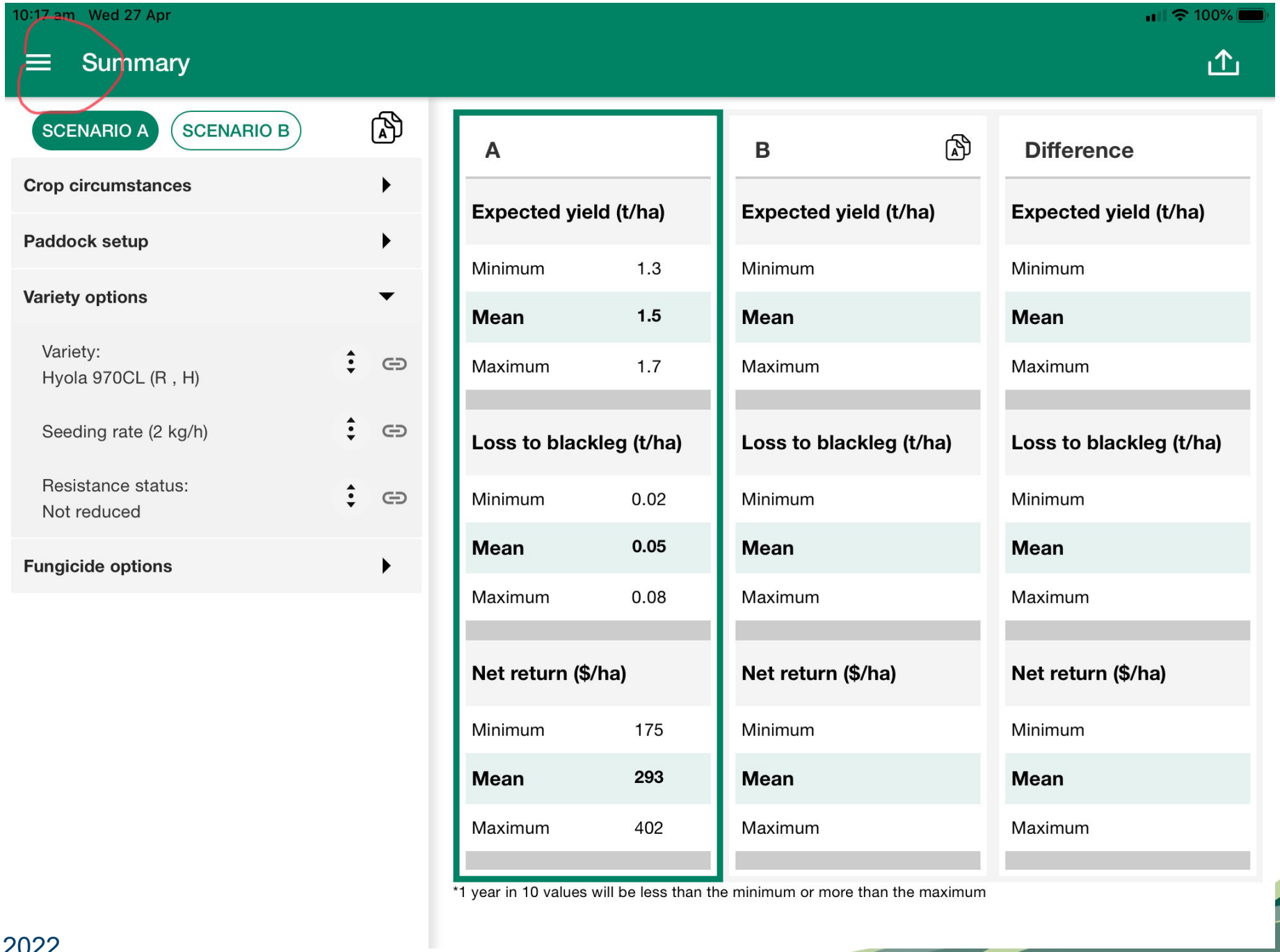


BlacklegCM – a decision support tool for management of crown canker in canola

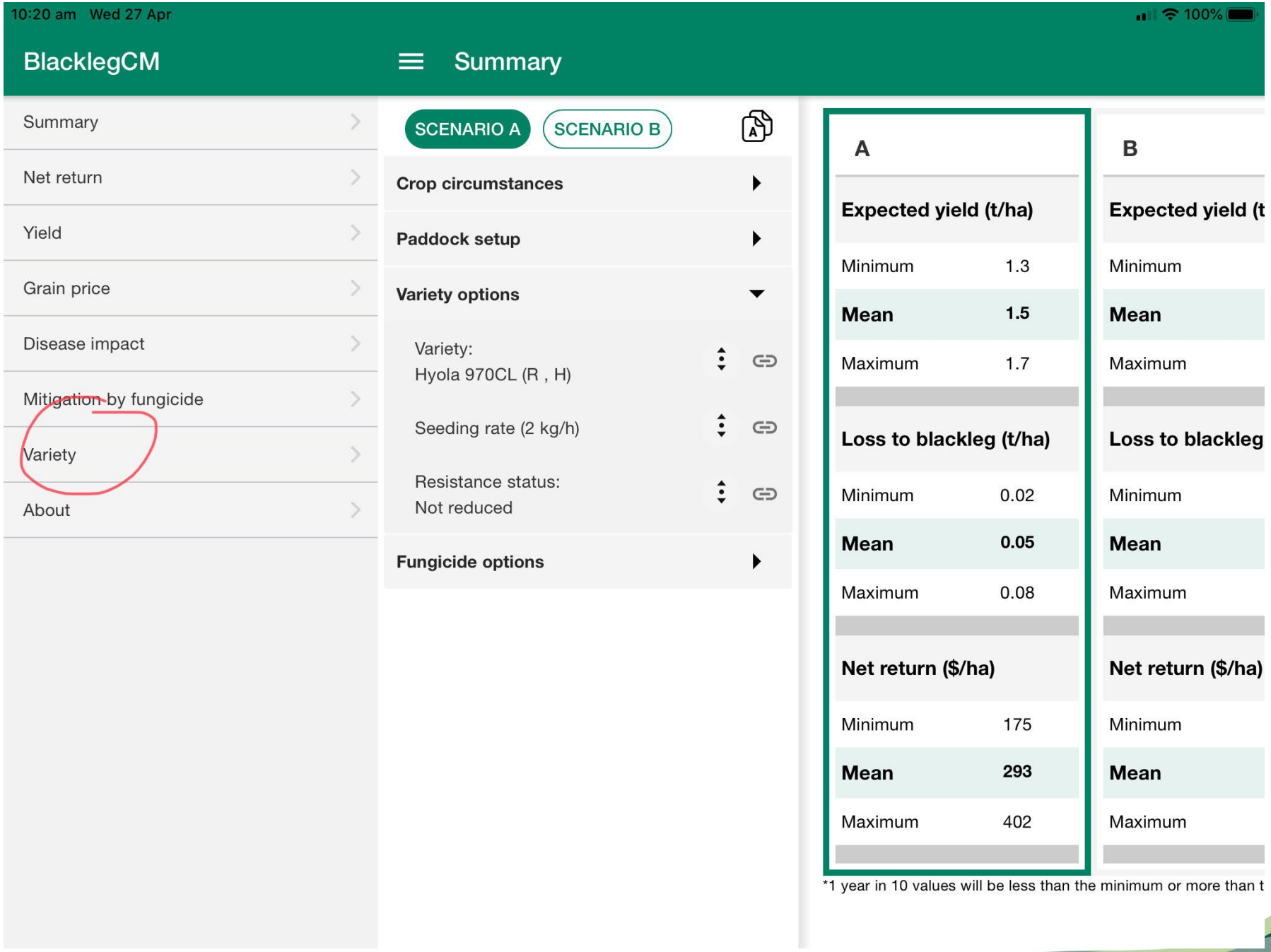
Updated blackleg variety resistance

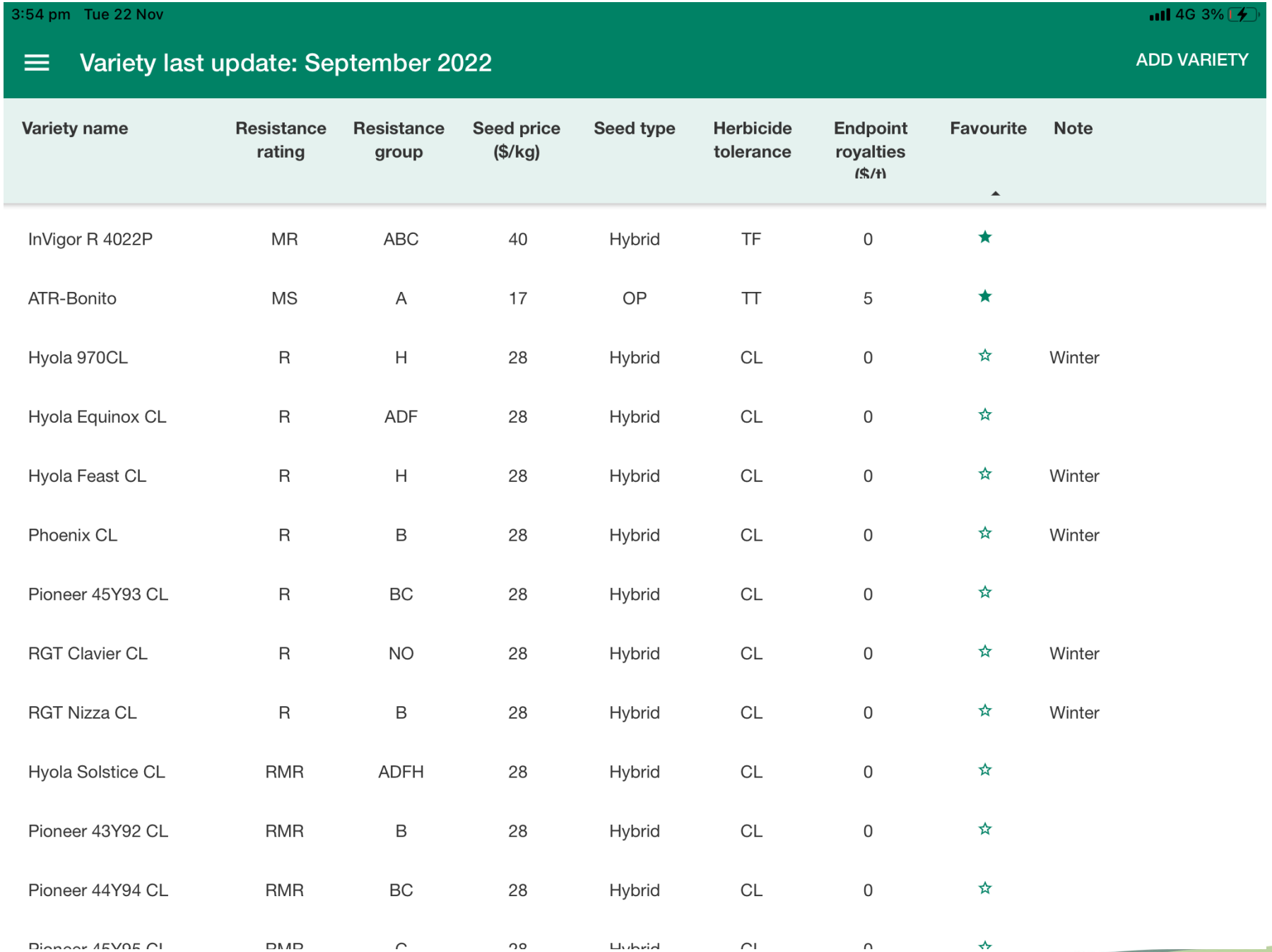
- Tablet devices only
- Updated twice/year with the latest variety resistance information
- All variety information is supplied and checked by Marcroft Grains Pathology

Click on the ‘Hamburger’ icon



Choose variety from the drop down menu





Variety name	Resistance rating	Resistance group	Seed price ($/kg)	Seed type	Herbicide tolerance	Endpoint royalties ($/t)	Favourite	Note
InVigor R 4022P	MR	ABC	40	Hybrid	TF	0	★	
ATR-Bonito	MS	A	17	OP	TT	5	★	
Hyola 970CL	R	H	28	Hybrid	CL	0	☆	Winter
Hyola Equinox CL	R	ADF	28	Hybrid	CL	0	☆	
Hyola Feast CL	R	H	28	Hybrid	CL	0	☆	Winter
Phoenix CL	R	B	28	Hybrid	CL	0	☆	Winter
Pioneer 45Y93 CL	R	BC	28	Hybrid	CL	0	☆	
RGT Clavier CL	R	NO	28	Hybrid	CL	0	☆	Winter
RGT Nizza CL	R	B	28	Hybrid	CL	0	☆	Winter
Hyola Solstice CL	RMR	ADFH	28	Hybrid	CL	0	☆	
Pioneer 43Y92 CL	RMR	B	28	Hybrid	CL	0	☆	
Pioneer 44Y94 CL	RMR	BC	28	Hybrid	CL	0	☆	
Pioneer 45Y95 CL	RMR	C	28	Hybrid	CL	0	☆	

Thank you

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