



Tully Variety Management Group



sra  
Sugar Research  
Australia

# LOCAL VARIETY GUIDE 2022

**Tully Region** (RELEASED 2013–2021)

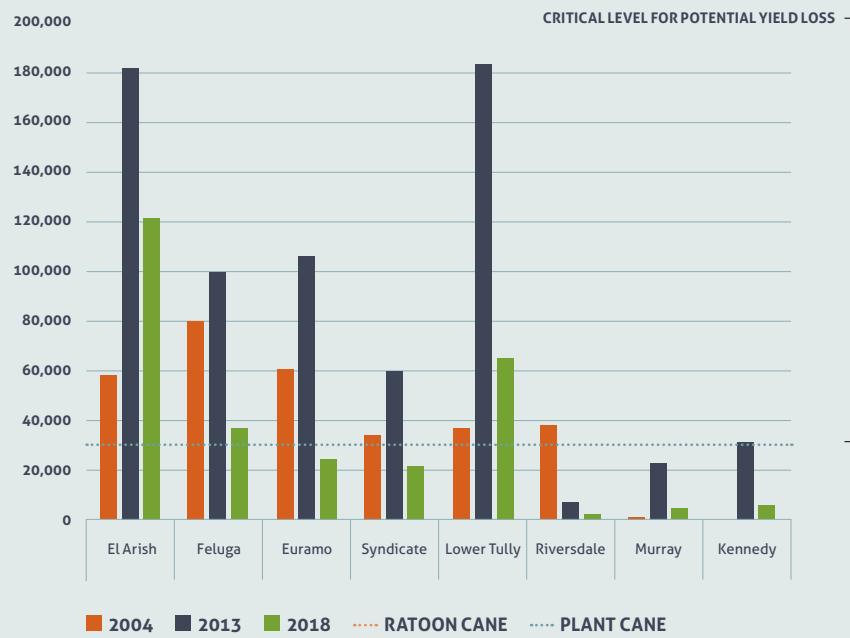
## TULLY VARIETIES 2022

Q183<sup>®</sup>, Q186<sup>®</sup>, Q200<sup>®</sup>, Q208<sup>®</sup>, Q219<sup>®</sup>, KQ228<sup>®</sup>, Q230<sup>®</sup>, Q231<sup>®</sup>, Q232<sup>®</sup>, Q237<sup>®</sup>, Q238<sup>®</sup>, Q240<sup>®</sup> (released 2014), Q242<sup>®</sup> (released 2014), Q247<sup>®</sup> (released 2013), Q250<sup>®</sup> (released 2012), Q251<sup>®</sup> (released 2012), Q252<sup>®</sup> (released 2014), Q253<sup>®</sup> (released 2014), SRA3<sup>®</sup> (released 2016), SRA6<sup>®</sup> (released 2016), SRA7<sup>®</sup> (released 2016), SRA10<sup>®</sup> (released 2017), SRA15<sup>®</sup> (released 2018), SRA16<sup>®</sup> (released 2018), SRA25<sup>®</sup> (released 2019), SRA26<sup>®</sup> (released 2019), SRA28<sup>®</sup> (released 2020), SRA 9 (release 2022-23), SRA 5 (limited release 2022), SRA 32 (release 2022), SRA 14 (limited releases 2022).



## PACHYMETRA ROOT ROT AWARENESS

- Pachymetra is a soil fungal disease which is a major issue for the Tully sugar industry. It was discovered in the 1980s, and several district-wide soil surveys have been conducted to assist in its management through variety choice.
- 2018 has shown a decrease in the disease levels since the last TSL survey was conducted in 2013. However, Pachymetra is still a major issue for the Tully sugar industry.
- Growers are urged to soil test prior to planting.
- Some newer varieties are resistant to the disease.



RESISTANT	INTERMEDIATE	INTERMEDIATE-SUSCEPTIBLE
Q183 <sup>®</sup> , Q219 <sup>®</sup> , Q230 <sup>®</sup> , Q231 <sup>®</sup> , Q238 <sup>®</sup> , Q242 <sup>®</sup> , Q247 <sup>®</sup> , Q251 <sup>®</sup> , Q253 <sup>®</sup> , SRA6 <sup>®</sup> , SRA16 <sup>®</sup> , SRA26 <sup>®</sup> , SRA28 <sup>®</sup>	Q200 <sup>®</sup> , Q208 <sup>®</sup> , KQ228 <sup>®</sup> , Q232 <sup>®</sup> , 240 <sup>®</sup> , Q250 <sup>®</sup> , Q252 <sup>®</sup> , SRA7 <sup>®</sup> , SRA10 <sup>®</sup> , SRA15 <sup>®</sup>	Q237 <sup>®</sup> , SRA3 <sup>®</sup>

## SOIL TYPES

### POOR SOILS (P)

Soil formed on beach ridges: Brosnan, Gogarra, Kurrimine, Maria, Needep, Spanos

### AVERAGE TO POOR SOILS (AP)

Poorly drained alluvial soils: Banyan, Bulgun, Coom, Derra, Hewitt, Jarra, Ramlah, Timara, Warrami

Granitic gravel soils: Hillview, Lugger, Malbon, Thorpe, Tyson, Utchee

Soil formed from Metamorphic rock: Feluga, Galmara, Mission

Organic soils and peats: Bulguru

### AVERAGE TO GOOD SOILS (AG)

Well drained alluvial soils: Canoe, Dayman, Innisfail, Liverpool, Midgenoo, Mossman, Silkwood, Tully, Virgil

### GOOD SOILS (G)

Formerly used to grow bananas: Liverpool, Tully

## RECOMMENDATIONS FOR NEW VARIETIES BY SUB-DISTRICT (2013–2021)

EL ARISH		
Early	Mid	Late
Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)
	Q247 <sup>ob</sup> (AP, AG, G)	Q247 <sup>ob</sup> (AP, AG, G)
Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)
		Q251 <sup>ob</sup> (AP, AG, G)
	Q252 <sup>ob</sup> (AP, AG, G)	Q252 <sup>ob</sup> (AP, AG, G)
	Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)
	SRA6 <sup>ob</sup> (AP, AG)	SRA6 <sup>ob</sup> (AP, AG)
	SRA7 <sup>ob</sup> (AP, AG)	
	SRA10 <sup>ob</sup> (AP, AG)	SRA10 <sup>ob</sup> (AP, AG)
	SRA14 <sup>ob</sup> (AG, G)	SRA14 <sup>ob</sup> (AG, G)
	SRA15 <sup>ob</sup> (AP, AG)	SRA15 <sup>ob</sup> (AP, AG)
	SRA16 <sup>ob</sup> (AP, AG)	SRA16 <sup>ob</sup> (AP, AG)
	SRA26 <sup>ob</sup> (AP, AG)	SRA26 <sup>ob</sup> (AP, AG)
	SRA28 <sup>ob</sup> (AP, AG)	SRA28 <sup>ob</sup> (AP, AG)
		SRA5 <sup>ob</sup> (P, AP)

EURAMO		
Early	Mid	Late
Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)
	Q242 <sup>ob</sup> (AG, AP)	
	Q247 <sup>ob</sup> (AP, AG, G)	Q247 <sup>ob</sup> (AP, AG, G)
Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)
	Q251 <sup>ob</sup> (AP, AG, G)	Q251 <sup>ob</sup> (AP, AG, G)
	Q252 <sup>ob</sup> (AP, AG, G)	Q252 <sup>ob</sup> (AP, AG, G)
Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)
	SRA3 <sup>ob</sup> (P, AP)	SRA3 <sup>ob</sup> (P, AP)
	SRA6 <sup>ob</sup> (AP, AG)	SRA6 <sup>ob</sup> (AP, AG)
	SRA7 <sup>ob</sup> (AP, AG)	
	SRA10 <sup>ob</sup> (AP, AG)	SRA10 <sup>ob</sup> (AP, AG)
	SRA14 <sup>ob</sup> (AG, G)	SRA14 <sup>ob</sup> (AG, G)
	SRA15 <sup>ob</sup> (AP, AG)	SRA15 <sup>ob</sup> (AP, AG)
	SRA16 <sup>ob</sup> (AP, AG)	SRA16 <sup>ob</sup> (AP, AG)
	SRA26 <sup>ob</sup> (AP, AG)	SRA26 <sup>ob</sup> (AP, AG)
	SRA28 <sup>ob</sup> (AP, AG)	SRA28 <sup>ob</sup> (AP, AG)

FELUGA		
Early	Mid	Late
Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)
	Q247 <sup>ob</sup> (AP, AG, G)	Q247 <sup>ob</sup> (AP, AG, G)
Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)
		Q251 <sup>ob</sup> (AP, AG, G)
	Q252 <sup>ob</sup> (AP, AG, G)	Q252 <sup>ob</sup> (AP, AG, G)
	Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)
	SRA6 <sup>ob</sup> (AP, AG)	SRA6 <sup>ob</sup> (AP, AG)
	SRA7 <sup>ob</sup> (AP, AG)	
	SRA10 <sup>ob</sup> (AP, AG)	SRA10 <sup>ob</sup> (AP, AG)
	SRA14 <sup>ob</sup> (AG, G)	SRA14 <sup>ob</sup> (AG, G)
	SRA15 <sup>ob</sup> (AP, AG)	SRA15 <sup>ob</sup> (AP, AG)
	SRA16 <sup>ob</sup> (AP, AG)	SRA16 <sup>ob</sup> (AP, AG)
	SRA26 <sup>ob</sup> (AP, AG)	SRA26 <sup>ob</sup> (AP, AG)
	SRA28 <sup>ob</sup> (AP, AG)	SRA28 <sup>ob</sup> (AP, AG)

WARRAMI		
Early	Mid	Late
Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)	Q240 <sup>ob</sup> (AG, G)
	Q247 <sup>ob</sup> (AG, G, AP)	Q247 <sup>ob</sup> (AG, G, AP)
Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)	Q250 <sup>ob</sup> (AP, AG, G)
	Q252 <sup>ob</sup> (AP, AG, G)	Q252 <sup>ob</sup> (AP, AG, G)
Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)	Q253 <sup>ob</sup> (P, AP, AG)
	SRA6 <sup>ob</sup> (AP, AG)	SRA6 <sup>ob</sup> (AP, AG)
	SRA7 <sup>ob</sup> (AP, AG)	
	SRA10 <sup>ob</sup> (AP, AG)	SRA10 <sup>ob</sup> (AP, AG)
	SRA15 <sup>ob</sup> (AP, AG)	SRA15 <sup>ob</sup> (AP, AG)
	SRA16 <sup>ob</sup> (AP, AG)	SRA16 <sup>ob</sup> (AP, AG)
	SRA26 <sup>ob</sup> (AP, AG)	SRA26 <sup>ob</sup> (AP, AG)
	SRA28 <sup>ob</sup> (AP, AG)	SRA28 <sup>ob</sup> (AP, AG)

LOWER TULLY		
Early	Mid	Late
Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)
	Q247 <sup>h</sup> (AP, AG, G)	Q247 <sup>h</sup> (AP, AG, G)
Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)
		Q251 <sup>h</sup> (AP, AG, G)
	Q252 <sup>h</sup> (AP, AG, G)	Q252 <sup>h</sup> (AP, AG, G)
	Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)
	SRA3 <sup>h</sup> (P, AP)	SRA3 <sup>h</sup> (P, AP)
	SRA6 <sup>h</sup> (AP, AG)	SRA6 <sup>h</sup> (AP, AG)
	SRA7 <sup>h</sup> (AP, AG)	
	SRA10 <sup>h</sup> (AP, AG)	SRA10 <sup>h</sup> (AP, AG)
	SRA15 <sup>h</sup> (AP, AG)	SRA15 <sup>h</sup> (AP, AG)
	SRA16 <sup>h</sup> (AP, AG)	SRA16 <sup>h</sup> (AP, AG)
	SRA26 <sup>h</sup> (AP, AG)	SRA26 <sup>h</sup> (AP, AG)
	SRA28 <sup>h</sup> (AP, AG)	SRA28 <sup>h</sup> (AP, AG)
		SRA5 <sup>h</sup> (P, AP)

SYNDICATE		
Early	Mid	Late
Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)
	Q242 <sup>h</sup> (AG, AP)	
Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)
	Q252 <sup>h</sup> (AP, AG, G)	Q252 <sup>h</sup> (AP, AG, G)
Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)
	SRA3 <sup>h</sup> (P, AP)	SRA3 <sup>h</sup> (P, AP)
	SRA7 <sup>h</sup> (AP, AG)	
	SRA10 <sup>h</sup> (AP, AG)	SRA10 <sup>h</sup> (AP, AG)
	SRA15 <sup>h</sup> (AP, AG)	SRA15 <sup>h</sup> (AP, AG)
	SRA16 <sup>h</sup> (AP, AG)	SRA16 <sup>h</sup> (AP, AG)
	SRA26 <sup>h</sup> (AP, AG)	SRA26 <sup>h</sup> (AP, AG)
	SRA28 <sup>h</sup> (AP, AG)	SRA28 <sup>h</sup> (AP, AG)

MURRAY		
Early	Mid	Late
Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)
	Q242 <sup>h</sup> (AG, AP)	Q242 <sup>h</sup> (AG, AP)
	Q247 <sup>h</sup> (AG, G, AP)	Q247 <sup>h</sup> (AG, G, AP)
Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)
	Q252 <sup>h</sup> (AP, AG, G)	Q252 <sup>h</sup> (AP, AG, G)
Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)
	SRA6 <sup>h</sup> (AP, AG)	SRA6 <sup>h</sup> (AP, AG)
	SRA7 <sup>h</sup> (AP, AG)	
	SRA10 <sup>h</sup> (AP, AG)	SRA10 <sup>h</sup> (AP, AG)
	SRA14 <sup>h</sup> (AG, G)	SRA14 <sup>h</sup> (AG, G)
	SRA15 <sup>h</sup> (AP, AG)	SRA15 <sup>h</sup> (AP, AG)
	SRA16 <sup>h</sup> (AP, AG)	SRA16 <sup>h</sup> (AP, AG)
	SRA26 <sup>h</sup> (AP, AG)	SRA26 <sup>h</sup> (AP, AG)
	SRA28 <sup>h</sup> (AP, AG)	SRA28 <sup>h</sup> (AP, AG)

KENNEDY		
Early	Mid	Late
240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)
	Q247 <sup>h</sup> (AP, AG, G)	Q247 <sup>h</sup> (AP, AG, G)
Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)
	Q252 <sup>h</sup> (AP, AG, G)	Q252 <sup>h</sup> (AP, AG, G)
Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)
	SRA6 <sup>h</sup> (AP, AG)	SRA6 <sup>h</sup> (AP, AG)
	SRA7 <sup>h</sup> (AP, AG)	SRA6 <sup>h</sup> (AP, AG)
	SRA10 <sup>h</sup> (AP, AG)	SRA10 <sup>h</sup> (AP, AG)
	SRA15 <sup>h</sup> (AP, AG)	SRA15 <sup>h</sup> (AP, AG)
	SRA16 <sup>h</sup> (AP, AG)	SRA16 <sup>h</sup> (AP, AG)
	SRA26 <sup>h</sup> (AP, AG)	SRA26 <sup>h</sup> (AP, AG)
	SRA28 <sup>h</sup> (AP, AG)	SRA28 <sup>h</sup> (AP, AG)

RIVERSDALE		
Early	Mid	Late
Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)	Q240 <sup>h</sup> (AG, G)
	Q242 <sup>h</sup> (AG, G)	
	Q247 <sup>h</sup> (AP, AG, G)	Q247 <sup>h</sup> (AP, AG, G)
Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)	Q250 <sup>h</sup> (AP, AG, G)
	Q251 <sup>h</sup> (AP, AG, G)	Q251 <sup>h</sup> (AP, AG, G)
	Q252 <sup>h</sup> (AP, AG, G)	Q252 <sup>h</sup> (AP, AG, G)
Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)	Q253 <sup>h</sup> (P, AP, AG)
	SRA3 <sup>h</sup> (P, AP)	SRA3 <sup>h</sup> (P, AP)
	SRA6 <sup>h</sup> (AP, AG)	SRA6 <sup>h</sup> (AP, AG)
	SRA7 <sup>h</sup> (AP, AG)	
	SRA10 <sup>h</sup> (AP, AG)	SRA10 <sup>h</sup> (AP, AG)
	SRA14 <sup>h</sup> (AG, G)	SRA14 <sup>h</sup> (AG, G)
	SRA15 <sup>h</sup> (AP, AG)	SRA15 <sup>h</sup> (AP, AG)
	SRA16 <sup>h</sup> (AP, AG)	SRA16 <sup>h</sup> (AP, AG)
	SRA26 <sup>h</sup> (AP, AG)	SRA26 <sup>h</sup> (AP, AG)
	SRA28 <sup>h</sup> (AP, AG)	SRA28 <sup>h</sup> (AP, AG)

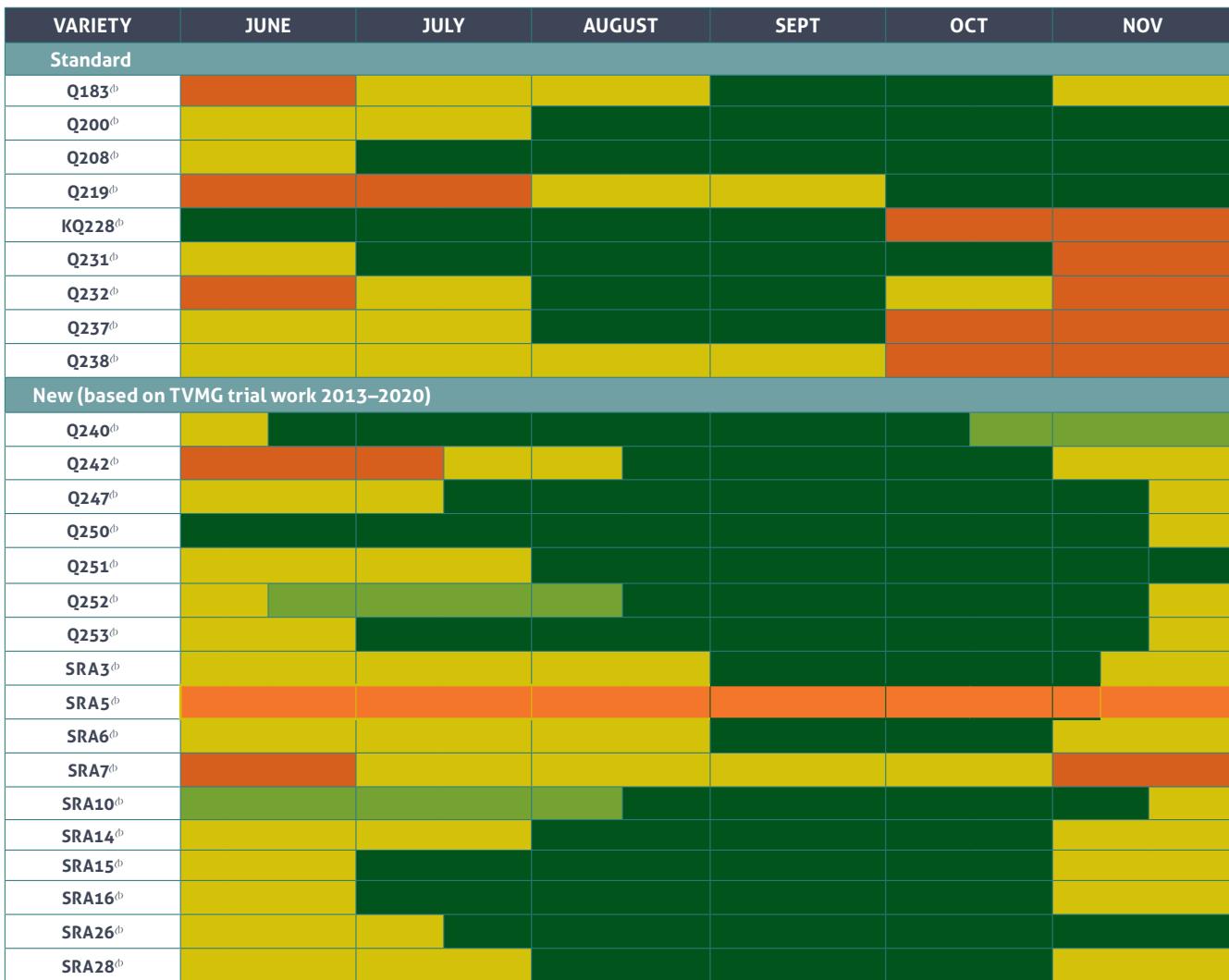


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## CCS CURVE TRENDS 2012–2021



Tully Variety Management Group



■ POTENTIAL ABOVE MILL AVERAGE ■ POTENTIALLY ABOVE MILL AVERAGE BUT NOT RECOMMENDED TO HARVEST ■ POTENTIAL MILL AVERAGE ■ POTENTIAL BELOW MILL AVERAGE

### Speed of germination (2019–2020)

VARIETY	GERMINATION 10–30 DAP	RELIABILITY
Q200 <sup>b</sup> (Standard)	Average	Reliable
Q240 <sup>b</sup>	Average	Reliable
Q242 <sup>b</sup>	Average	Reliable
Q245 <sup>b</sup>	Average	Reliable
Q247 <sup>b</sup>	Average	Reliable
Q249 <sup>b</sup>	Average	Reliable
Q252 <sup>b</sup>	Fast	Reliable
Q253 <sup>b</sup>	Average	Reliable
SRA3 <sup>b</sup>	Fast	Reliable
SRA6 <sup>b</sup>	Fast	Reliable
SRA7 <sup>b</sup>	Slow	Reliable
SRA10 <sup>b</sup>	Fast	Reliable
SRA15 <sup>b</sup>	Average	Reliable
SRA16 <sup>b</sup>	Fast	Reliable
SRA26 <sup>b</sup>	Average	Reliable
SRA28 <sup>b</sup>	Slow to Average	Reliable

### Extra notes from field observations 2012–2021

#### Q240<sup>b</sup>

Cold Chlorosis in winter time is common.  
It doesn't grow well in dry soil. Likely to sucker later in season.  
Crop ripeners help reduce suckering.

#### Q250<sup>b</sup> and SRA28<sup>b</sup>

Recommend young seed cane.  
<11 months for best plant cane results.

#### Q250<sup>b</sup>, Q252<sup>b</sup> and SRA10<sup>b</sup>

Plant away from creeks and drains if possible – rats.

#### Q252<sup>b</sup>

Can be a slow ratooner in lighter soils, and despite early CCS, recommend to harvest from mid August to promote better ratooning.  
There is some evidence to suggest lifting base-cutters 1–2cm can assist ratooning if harvested June–July.

#### SRA3<sup>b</sup> (and Q237<sup>b</sup>)

Always Pachymetra test before planting.

#### SRA10<sup>b</sup>

Tends to have soft eyes so be careful with seed cane when planting.  
Slow ratooner if harvested early.  
Recommend harvest mid August for better ratooning.  
There is some evidence to suggest lifting base-cutters 1–2cm can assist ratooning if harvested June–July.