# Burdekin Regional Variety Committee
# Minutes of Meeting

Date: 17th March 2022

Dial in details

Chair: Rob Milla (BPS)

| Attendees | Apologies |
|---|---|
| ▪ Joseph Magatelli (BPS)<br>▪ Madeline Molino (BPS)<br>▪ Eddie Fabbro (BPS)<br>▪ Wayne Johnstone (BPS)<br>▪ Lisa Parker (PCGO)<br>▪ Charles Quagliata (PCGO)<br>▪ Denis Pozzebon (KCGO)<br>▪ Dave Paine (KCGO)<br>▪ Steve Pilla (CBL)<br>▪ Greg Watson (CBL)<br>▪ Panikos Spyrou (AgForce)<br>▪ Bryce Davies (BPS)<br>▪ Jay Venning (Wilmar Sugar)<br>▪ Chris Scovazzi (Wilmar Sugar)<br>▪ Colin McLean (Wilmar Sugar)<br>▪ Terry Morgan (Wilmar Sugar)<br>▪ Ross Bonato (Wilmar sugar)<br>▪ Ben Nielsen<br>▪ Rob Magarey (SRA)<br>▪ Jason Eglinton (SRA)<br>▪ Terry Granshaw (SRA)<br>▪ Rob Milla (BPS)<br>▪ Xianming Wei (SRA)<br>▪ Catherine Kettle (SRA) | ▪ Evan Shannon (Farmacist)<br>▪ Ryan Matthews |

## Welcome *Rob*

Rob outlined the role of the RVC and the voting procedures of the group.

**Voting members identified:**

- Kalamia Canegrowers Organisation (KCGO) -Denis
- Pioneer Canegrowers Organisation (PCGO)-Charles
- Wilmar Sugar- Jay
- CANEGROWERS Burdekin Limited (CBL)-Steve
- AgForce- Panikos

**Voting Procedure:**

Release of a Variety: Unanimous Decision

Progress a Clone: Majority Decision

## Update on Presentation of Information *Xianming*

Clones are planted into two series. In the first series, clones are only planted into 1 replicate x 3 sites. This allows testing of more clones. If a clone performs well in the first series, they are replanted into a second series into 2 replicates x 4 sites. Usually, information from the second series will be more accurate, therefore more emphasis should be given to the second when comparing the two series for any test clones.

## Minutes from Previous Meeting *Catherine*

| Clone | Series | Current Status | TCH Diff to Std | CCS Diff to Std | Fib Diff to Std | rEGV | Smut | Leaf Scald | Pachy | Comments | Decision 2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| QA09-1589 | 2014<br>2016 | Accel | 3.1 | 0.4 | -2.4 | 10.52 | I-S | R | I-R | Performance is good. Low fibre and smut an issue. Hold until the smut ratings for 2020 trials and the "Natural smut Infection" trial are available.<br><br>Catherine to send out new data and group to reconvene to decide if the clone will be MaxProp or Discarded | Hold for more data in 2021 |
| QA11-2029 | 2015<br>2017<br><br>2019 | Accel | -5.1 | 0.0 | 0.5 | 9.81 | I-R | R | R | High levels of short fibre will be an issue when milling. Will monitor milling of the BPS strip trial through Inkerman Mill in 2021. | Discard |
| SRA32 | 2015<br>2017 | Accel | 16.3 | -0.8 | 1.0 | 10.20 | I-R | R | R | Very high tonnes and low CCS.<br><br>Similar performance in northern trials. High fibre in northern trials | Release |
| QS10-7315 | 2016<br>2018 | FAT_R | -12.1 | 0.5 | -0.8 | 9.82 | R | R | I-R | Poor performance | Discard |
| QS10-7536 | 2016<br>2018 | FAT_R | -7.4 | 0.2 | 1.4 | 9.82 | I | R | I-S | Poor performance | Discard |
| QA12-2193 | 2017<br><br>2019 | FAT_R | -2.1 | 1.3 | -2.0 | 10.84 | I | I-S | I | Wait for more data. | Hold |
| QK14-2492 | 2017<br><br>2019 | FAT_R | -2.5 | 0.0 | 0.8 | 9.79 | R | R | R | Send to BPS Isolation plot. | Accel |

# Update on Minutes 2021

## SRA32

- 1ha of SRA32 was planted to the BPS Isolation plot in September 2021 using Tissue Culture seedlings.
- Smut has been observed in SRA propagations.

## QA11-2029

- Clone was Discarded at the 2021 RVC because of fibre quality issues.
- Rakes from a BPS strip trial were sent through Inkerman Mill in 2021.
- Colin McLean provided an update highlighting the difficulty in processing QA11-2029 through the mill.

## QA09-1589

- 2021 RVC decision was to Hold for more smut data.
- The 2021 rating was a "9" so highly susceptible though overall the rating was "Intermediate-Susceptible" the same as WSRA17. More smut has been observed in the field in QA09-1589.
- Fibre is 2.4 units lower than the average of the standards.
- **Discard**

## QA12-2193

- Second susceptible Leaf Scald rating in 2021.
- **Discard**

## Clones for Discussion 2022 *Catherine*

| Clone | Series | Status | TCH Diff to Std | CCS Diff to Std | Fibre Diff to Std | rEGV | Smut | Leaf Scald | Pachy | Decision 2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| **QK14-2492** | 2017 2019 2020 | Accelerated | -0.7 | -0.2 | 0.6 | 9.73 | R | I-R | I | MaxProp/Hold/Discard |
| **SRA34** | 2018 2020 | FAT_R | 5.3 | 0.0 | -0.2 | 10.31 | I | R | R | Release/Hold/Discard |
| **QA13-1331** | 2018 2020 | FAT_R | -5.1 | 0.3 | -0.9 | 10.03 | R | R | R | Accelerate/Hold/Discard |
| **QA12-1179** | 2017 2019 | FAT_R | 0.9 | -0.1 | 0.7 | 9.98 | I-R | I | R | Accelerate/Hold/Discard |
| **QA13-1225** | 2018 2020 | FAT_R | -5.7 | 0.2 | -0.6 | 9.96 | R | R | R | Accelerate/Hold/Discard |
| **QA12-1320** | 2017 2019 | FAT_R | -4.6 | 0.1 | -1.9 | 9.91 | R | I-R | I-R | Accelerate/Hold/Discard |
| **QA13-1239** | 2018 2020 | FAT_R | 2.4 | -0.2 | 2.4 | 9.88 | I | R | R | Accelerate/Hold/Discard |

## Two Clones to Discuss for MaxProp/Release:

- SRA34
- QK14-2492

## Five Clones to Discuss for Acceleration/Hold/Discard:

- QA13-1331
- QA12-1179
- QA13-1225
- QA12-1320
- QA13-1239

# Clones to Discuss for MaxProp/Release 2022

## SRA34 *(QC83-627 x Q222)*

*2018 and 2020 series*
Seedling name: QS09-7888
Released in NSW

**Performance**

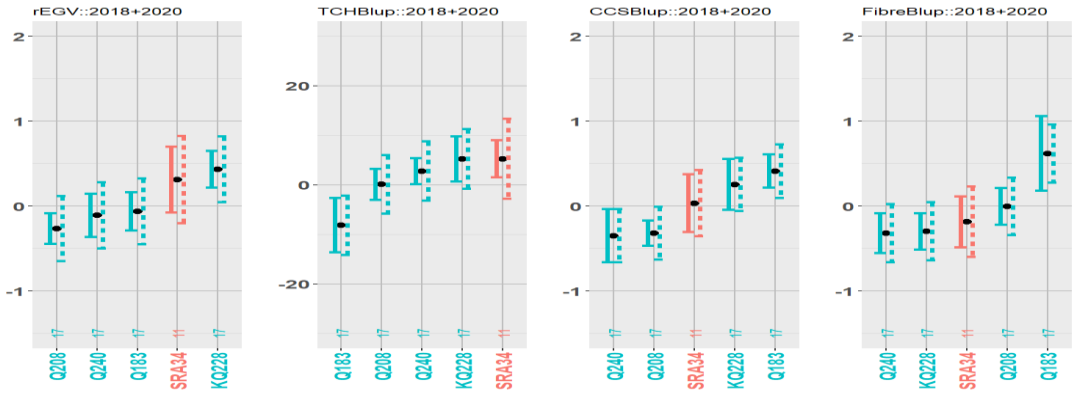
**TCH**: 5.3 TCH Diff to Std (Q183, Q208, KQ228 and Q240)

**CCS**: 0.0 CCS Diff to Std (Q183, Q208, KQ228 and Q240)

**rEGV:**
2018 Series: 10.08

2020 Series: 10.73

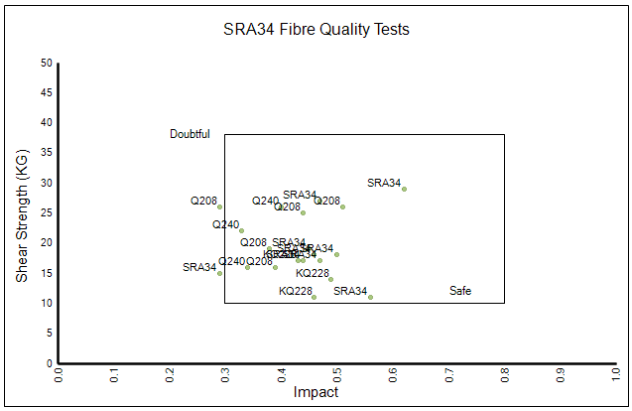
*Consistent performance over both series.*




**Milling**

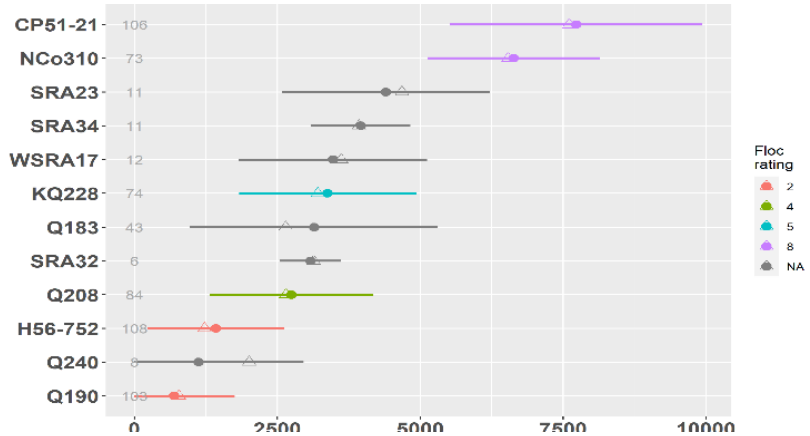
**Fibre:**
Quantity: -0.2 Diff to Stds (Q183, Q208, KQ228 and Q240)

Quality: Acceptable




| Clone | Impact | Shear Strength | Shor Fibre |
|---|---|---|---|
| **KQ228** | 0.46 | 14 | 57 |
| **Q208** | 0.40 | 22.4 | 55 |
| **Q240** | 0.36 | 21.3 | 58 |
| **SRA34** | 0.47 | 19 | 59 |

**Floc:** Acceptable




**Disease**
Smut: Intermediate

Leaf Scald: Resistant

Pachymetra: Resistant

## Discussion

1. Has done well in both the 2018 and 2020 Series.
2. Is currently a MaxProp clone in the Southern Program.
3. From Smutbuster program.

## Decision

**AgForce:** Release

**CBL:** Release

**KCGO:** Release

**PCGO:** Release

**Wilmar Sugar**: Release

# Release

# Clones to Discuss for MaxProp/Release 2022

## QK14-2492 *(Q208 x N29)*

*2017, 2019, 2020 series*
Accelerated to BPS Isolation Plot in 2021

**Performance**

**TCH:** -0.7 Diff to Stds (Q183, Q208, KQ228 and Q240)

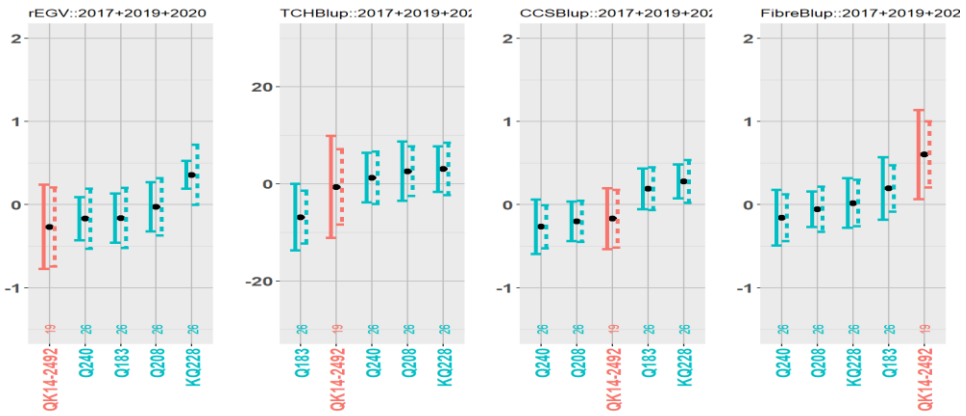
**CCS:** -0.2 Diff to Stds (Q183, Q208, KQ228 and Q240)

**rEGV:**

2017: 10.16

2019: 9.27

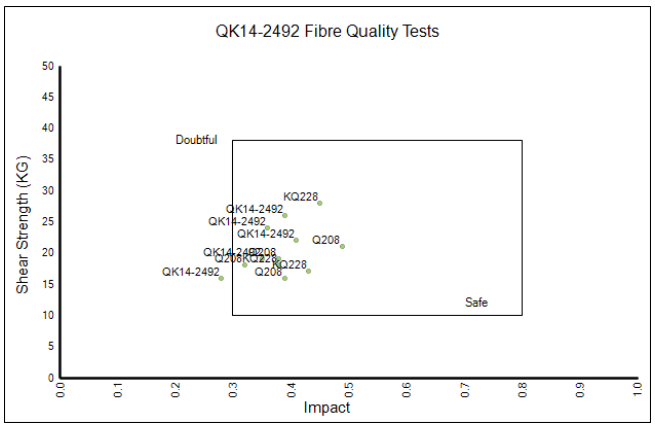
2020: 9.83




**Milling**

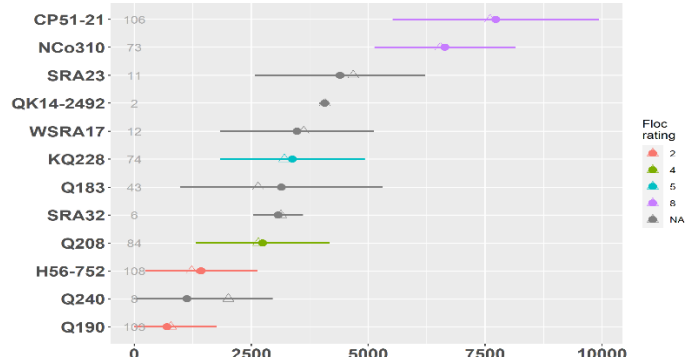
**Fibre:**

Quantity: 0.6 Diff to Stds (Q183, Q208, KQ228 and Q240)
Quality: One sample outside the "Safe Box"




| Clone | Impact | Shear Strength | Short Fibre |
|---|---|---|---|
| **KQ228** | 0.42 | 21 | 51 |
| **Q208** | 0.41 | 18.5 | 62 |
| **QK14-2492** | 0.358 | 21.4 | 58 |

**Floc:** Acceptable




## Disease

Smut**:** Resistant

Leaf Scald**:** Resistant

Pachymetra: Intermediate

## Discussion

1. One Fibre quality result is questionable. Catherine to send again for testing.
2. Excellent disease ratings, in particular smut.
3. Looks good but unfortunately it's hasn't performed as well in later series.
4. Rob Milla suggested putting QK14-2492 into strip trials. It may be similar to SRA23-it was put into strip trials after average performance in FATs.

## Decision

**AgForce**: Release provided milling data is acceptable

**CBL:** Hold

**KCGO:** MaxProp because good smut ratings

**PCGO:** Hold

**Wilmar Sugar**: No vote

***Hold for more data. Catherine to send for additional fibre quality data.***

# Clones to Accelerate 2022

## QA13-1331 *(QN97-2328 x KQ228)*

- 2018/2020 Series

## QA12-1179 *(Q231 x Q232)*

- 2017/2019 Series

## QA13-1225 *(Q183 x QN93-3670)*

- 2018/2020 Series

## QA12-1320 *(Q208 x N29)*

- 2017/2019 Series

## QA13-1239 *(Q183 x KQ228)*

- 2018/2020 Series

| Clone | Series | Status | TCH Diff to Std | CCS Diff to Std | Fibre Diff to Std | rEGV | Smut | Leaf Scald | Pachy | Decision 2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| QA13-1331 | 2018<br>2020 | FAT_R | -5.1 | 0.3 | -0.9 | 9.60<br>10.77 | R | R | R | Accelerate<br>Hold<br>Discard |
| QA12-1179 | 2017<br>2019 | FAT_R | 0.9 | -0.1 | 0.7 | 9.88<br>10.1 | I-R | I | R | Accelerate<br>Hold<br>Discard |
| QA13-1225 | 2018<br>2020 | FAT_R | -5.7 | 0.2 | -0.6 | 9.85<br>10.17 | R | R | R | Accelerate<br>Hold<br>Discard |
| QA12-1320 | 2017<br>2019 | FAT_R | -4.6 | 0.1 | -1.9 | 9.57<br>10.3 | R | I-R | I-R | Accelerate<br>Hold<br>Discard |
| QA13-1239 | 2018<br>2020 | FAT_R | 2.4 | -0.2 | 2.4 | 9.81<br>10.06 | I | R | R | Accelerate<br>Hold<br>Discard |

## Discussion

1. At a recent SRA Plant Improvement meeting, it was decided to Hold the clones and collect more data.
2. QA13-1239-fibre is 2.4 units higher than the average of the standards. From a milling perspective, this is acceptable.
3. All clones have acceptable disease ratings.
4. QA13-1331 is the best of the clones. Will start to propagate for planting into strip trials.

## 2020 Series

| Clone | TCH Diff to Std | CCS Diff to Std | Fibre Diff to Std | rEGV | Female | Male | Smut |
|---|---|---|---|---|---|---|---|
| QA15-2599 | 10.6 | 0.2 | -1.1 | 10.68 | QS00-486 | SP89-1116 | 5 |
| QA15-2142 | -7.9 | 0.9 | 0.2 | 10.51 | QN85-1271 | MIDA | 3 |
| KQ228* | 0.6 | 0.6 | -0.2 | 10.45 | QN80-3425 | CP74-2005 | 5 |
| QA15-2411 | 4.7 | 0.1 | 0.9 | 10.45 | KQ236 | Q232 | 3 |
| QA15-2721 | -9.2 | 0.6 | -1.2 | 10.14 | Q155 | Q232 | 5 |
| QA15-3352 | 3.8 | -0.1 | -0.4 | 10.14 | QS00-486 | SP89-1116 | 3 |
| QK17-1962 | 5.2 | -0.3 | -1.6 | 10.04 | Q117 | QN83-434 | 4 |
| QA15-3336 | -8.9 | 0.6 | 0.3 | 10.02 | QN92-157 | Ho08-717 | 4 |
| Q183* | -9.2 | 0.4 | 0.2 | 9.94 | Q124 | H56-752 | 3 |
| QA15-2059 | -2.2 | 0.0 | -0.7 | 9.92 | QN91-295 | TCP87-3388 | 3 |
| Q240* | 5.2 | -0.5 | -0.2 | 9.89 | QN81-289 | SP78-3137 | 2 |
| QN11-5047 | -4.8 | 0.3 | 0.4 | 9.88 | QC83-626 | QC90-353 | 5 |
| QA15-1911 | 9.1 | -0.6 | 1.8 | 9.88 | SP89-1116 | QC90-353 | 3 |
| QA15-1523 | -12.6 | 0.6 | 0.8 | 9.87 | Q232 | QS06-9085 | 3 |
| QK17-1007 | 4.1 | -0.5 | 1.3 | 9.72 | QS91-7179 | QC90-289 | 3 |
| Q208* | 3.3 | -0.5 | 0.2 | 9.72 | Q135 | QN61-1232 | 4 |
| QA15-3392 | -7.6 | -0.1 | -1.4 | 9.71 | QN85-1271 | MIDA | 3 |
| QA15-3244 | -3.0 | -0.2 | -0.4 | 9.71 | CP88-1540 | QA94-6577 | 3 |
| QA15-2328 | -3.7 | -0.2 | -0.9 | 9.71 | Q135 | SP80-3280 | 5 |
| QN11-328 | 2.8 | -0.5 | 0.2 | 9.65 | Q208 | QN03-283 | 1.5 |
| QA15-1226 | -7.8 | -0.1 | -0.2 | 9.62 | Q173 | SP78-3137 | 3 |
| QA15-1712 | -4.1 | -0.2 | -1.8 | 9.59 | Q183 | QN00-89 | 3 |
| QA15-2390 | 1.4 | -0.4 | -0.1 | 9.59 | Q208 | KQ228 | 4 |
| QA15-2798 | -4.0 | -0.2 | -0.5 | 9.58 | Q155 | Q232 | 3 |
| QA15-2167 | -4.9 | -0.2 | -1.7 | 9.58 | QS83-2103 | QC90-289 | 3 |
| QA15-2375 | 0.3 | -0.4 | -0.3 | 9.57 | QS83-2103 | QC90-289 | 3 |

# Summary of Decisions 2022

| Clone | Series | Status | TCH Diff to Std | CCS Diff to Std | Fibre Diff to Std | rEGV | Smut | Leaf Scald | Pachy | Decision 2022 |
|---|---|---|---|---|---|---|---|---|---|---|
| **QK14-2492** | 2017 2019 2020 | Accelerated | -0.7 | -0.2 | 0.6 | 9.73 | R | I-R | I | Hold. Plant into BPS Strip Trials 2022 |
| **SRA34** | 2018 2020 | FAT_R | 5.3 | 0.0 | -0.2 | 10.31 | I | R | R | Release |
| **QA13-1331** | 2018 2020 | FAT_R | -5.1 | 0.3 | -0.9 | 10.03 | R | R | R | Hold Start bulking up material to transfer to BPS |
| **QA12-1179** | 2017 2019 | FAT_R | 0.9 | -0.1 | 0.7 | 9.98 | I-R | I | R | Hold for more data |
| **QA13-1225** | 2018 2020 | FAT_R | -5.7 | 0.2 | -0.6 | 9.96 | R | R | R | Hold for more data |
| **QA12-1320** | 2017 2019 | FAT_R | -4.6 | 0.1 | -1.9 | 9.91 | R | I-R | I-R | Hold for more data |
| **QA13-1239** | 2018 2020 | FAT_R | 2.4 | -0.2 | 2.4 | 9.88 | I | R | R | Hold for more data |

# Consideration of adding SRA27 (QA04-1448) to the Burdekin Recommended Variety List

## SRA 27 Background

1. Some Burdekin growers are interested in growing SRA27 and BPS have seed available on the Isolation Plot.
2. SRA27 is a Burdekin clone planted into the 2008/2010 FAT series and BPS strip trials.
3. SRA27 was Discarded at the 2018 RVC because of low CCS. It was Released in the Northern Tablelands in 2019.
4. SRA27 is not on the Burdekin Recommended Variety List.

## Recommended Variety Lists

1. Currently, each region has a "Recommended Variety List" with the varieties that have been released by the RVC. To release a variety RVC will consider its disease thresholds, milling characteristics and agronomic performance .
2. Under the Current Qld Biosecurity Act, biosecurity is everyone's responsibility, and we must all play a role (our General Biosecurity Obligation, GBO) to ensure risk from pest and disease is minimised.
3. A grower is deemed to have met their GBO under the Act by growing varieties on the Recommended List. However, varieties not on the Recommended List can still be grown if they meet the disease threshholds for that region-a grower is still meeting their GBO.
4. Production of varieties not on the list exposes growers to potential liability as they are personally responsible for demonstrating they have met the GBO.
5. Planting material can be moved between biosecurity zones under strict phytosanitory protocols. SRA meets tissue culture requests for varieties that meet minimum disease thresholds for a region even though it may not be on the Recommended list. SRA notifies the RVC if any orders not on the Recommended list are made.
6. There is a general understanding that Cane Supply Agreements (CSAs) restrict delivery of cane to only those varieties on the Recommended List, although there is some uncertainty about how clearly this is reflected in the CSAs and if it is understood by growers.

## Discussion

1. Is SRA27 good enough to release? Below average CCS and poor ratoonability.
2. All information on SRA27 should have been forwarded to the group prior to the meeting to allow for a more informed decision.
3. Discussion on how to manage varieties that are released in other regions (and therefore typically meet the General Biosecurity Obligation), but not be on the recommended list for the Burdekin region.

4. The CSAs are intended to support the RVC process ensuring local production is restricted to varieties that have been vetted and approved by local industry in terms of disease resistance thresholds, productivity and millabiility.

### Decision

To send a flying minute with:

- All production/ milling and disease information for SRA27 rather than a summary.
- To develop a clear process for situations when growers request varieties that aren't on the Burdekin Recommended list but meet the minimum disease threshold for the region.

## Update on using Genomic Selection to Improve Parental Selection *Terry Morgan*

1. Aim is to improve the parental material.
2. Also, to bring down the turnover years of parental clones from 10 years to 4 years.

## Update on RSD *Rob Magarey and Jason*

1. SRA removed RSD ratings from the Variety Guide. No variety is "resistant" and management of RSD is vital. However, just recently with the growing concern relating to RSD, varietal screening will be reinstigated.
2. Though many overseas varieties are rated "resistant", SRA testing have found that this isn't the case.

## BPS Plot Updates *Rob Milla*

1. There is a short fall of approved cane this year-a good news story. Pre orders will be honoured first and if there's cane left over, others are welcome.
2. RSD update on the plots. All RSD tests on plots have come back as negative this year. Though, one variety of 1$^{st}$ ratoon cane from a plot that previously sampled negative in 2021, has come back positive this year after very intensive sampling. Rob Magarey explained the difficulty in sampling blocks for RSD-it's impossible to sample every stick in a block. Therefore, sampling and testing are an addition to best management practices: clean down planters and harvesters correctly; use approved seed.

## Meeting closed: 12.15pm