

HCPSL

Herbert Cane Productivity Services Ltd.

Annual General Meeting- 2017.

AGM business

- ▶ Welcome
- ▶ Apologies
- ▶ Minutes of the previous meeting
- ▶ Business arising out of the minutes
- ▶ Annual Report and Financial Statements
- ▶ Board chairman's report
- ▶ Business managers report
- ▶ Guest speaker

Board chairman's report

ADMINISTRATION



- ▶ The 2016/17 financials were duly audited and a copy is available for viewing.
- ▶ Grower membership is ~99.97% of area harvested- the largest grower membership of any voluntary Herbert industry support agency.
- ▶ Wilmar continues to be a member, matching dollar for dollar grower funding in the core service program.



ADMINISTRATION



- ▶ The 2016/17 budget has been approved by the HCPSL company directors.
- ▶ The total budget was set at \$8.46/ha for each the grower and miller to pay. Total of \$16.92/ha. There is no change in the service fee for the past 2 years.
- ▶ The external funded component of the HCPSL business is now significant, with external funding coming from Government projects, NRM groups, private companies (agri-chemical and fertiliser companies) and universities.



Staffing



Core funded staff:

- ▶ Lawrence Di Bella (Manager)
- ▶ Sue Becarris (Administration Officer)
- ▶ Sandra Coco (Resource Officer)
- ▶ Graeme Holzberger (Field Agronomist- Grower Services)
- ▶ Tony Mc Clintock (Field Agronomist- Grower Services)
- ▶ Adam Royle (Extension Agronomist- Crop Nutrition and Water Quality)
- ▶ Sam Sellick (Field Agronomist- Variety Development)
- ▶ Mike Sefton (Geospatial and Data Systems Officer)

Externally funded staff:

- ▶ Richard Hobbs (Extension Agronomist- Farming Systems)
- ▶ Jarrod Sartor (WTSIP Extension Officer)
- ▶ Leanne Carr (WTSIP Extension Officer)
- ▶ Rod Nielson (GIS Officer)
- ▶ Megan Zamhel (Project Catalyst Support Officer)
- ▶ Minka Ibanez (Field Technician)
- ▶ Sam Lamari, Ray Roveda and Dion Cawthorne (field worker- casual)



TARGET 85



A HCPSL productivity initiative to get the Herbert industry to an 85tcph district average, in a sustainable manner. Launched at the 2013 AGM.

The HCPSL Board has decided to extend this initiative for an other 3 years.

The next 3 years for Target 85

- ▶ The Board would like to hear from the companies membership in formulating the direction for the next 3 years.
- ▶ New business priorities will be developed to align with Target 85 and the HCPSL Strategic Plan; following the membership consultative process.
- ▶ Resourcing of activities will occur to ensure the targets are hit.



Current HCPSL key focuses

1. Productivity

- ▶ Increase cane yields
- ▶ Variety development
- ▶ YCS
- ▶ NUE
- ▶ Harvesting systems
- ▶ Drainage and irrigation
- ▶ Pest and disease management that impact on productivity
- ▶ More robust farming systems
- ▶ Improvements in soil health
- ▶ Better use of mill by-products

TARGET 85



Current HCPSL key focuses



2. Sustainability and environment

- ▶ NUE
- ▶ Better use of pesticides
- ▶ Water quality management
- ▶ Better management practices (BMP)
- ▶ Extension

3. Biosecurity

- ▶ Approved seed production
- ▶ Quarantine

4. Precision Agriculture and data systems

- ▶ Basestation operation
- ▶ Yield monitoring
- ▶ Soil mapping
- ▶ Variable rate and precision application
- ▶ Data mining and interpretation

TARGET 85



Current HCPSL key focuses

5. Extension and Training

- ▶ Grower and industry extension and training
- ▶ Community awareness
- ▶ Youth development

6. Harvest Management

- ▶ Improved cane consignment
- ▶ Improved block records

TARGET 85



The Manager's report

TARGET 85



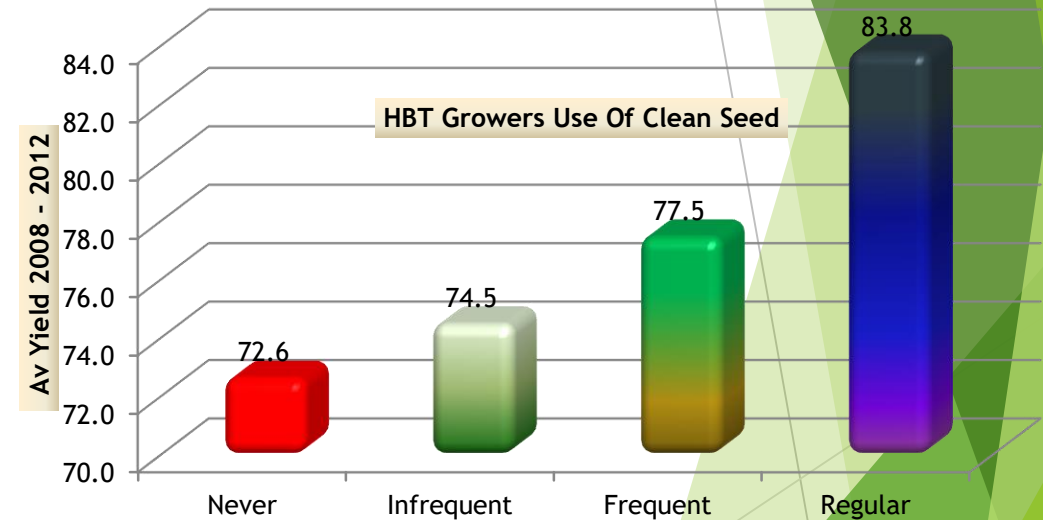
ACHIEVEMENTS THIS YEAR

Investment in Approved Seed provision



2014-	1200 tonnes of cane purchased 200 tissue cultured plants purchased 110 tonnes hot water treated
2015-	842 tonnes of cane purchased 3500 tissue cultured plants purchased 93 tonnes hot water treated
2016-	1012 tonnes of cane purchased 2500 tissue cultured plants purchased 73 tonnes hot water treated
2017-	1169 tonnes of cane purchased 104 tonnes hot water treated

Productivity Benefits Of Clean Seed



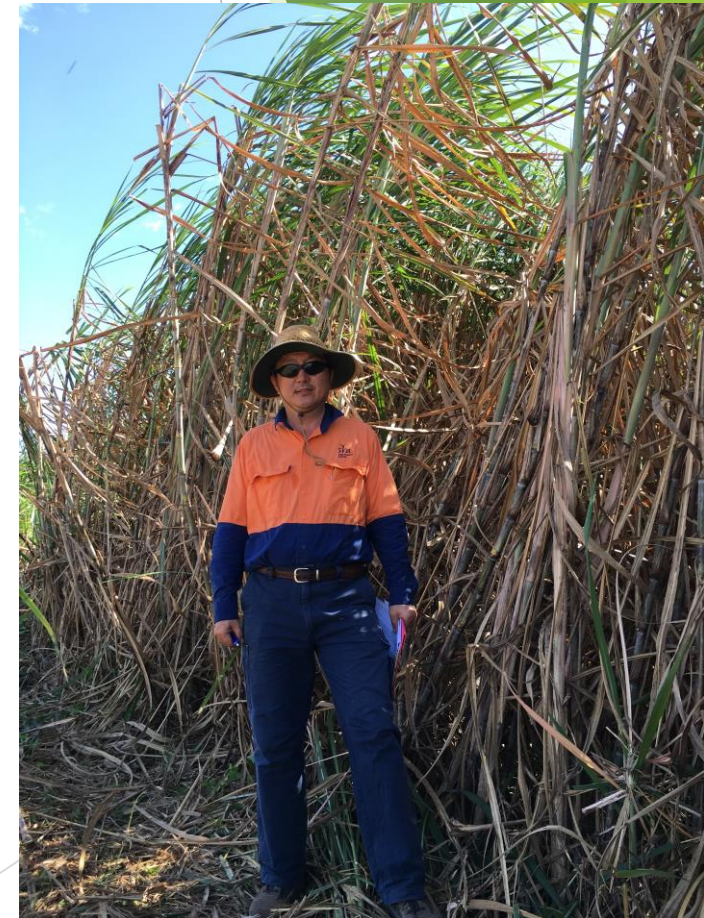
Variety development and improvement

TARGET 85



Work undertaken with SRA:

- Planting of RVT trials
- Undertook variety recommendations for ~30% of the area planted through QCANE SELECT
- Harvesting of 1 Introgression plant can seedling trial at Macknade (~7,000 clones)
- Selection of 600 new clones from the 1st ratoon seedling trial
- Harvesting of 3 Introgression variety trials



YCS research



- **HCPSL continues to work with SRA.**
- **We now have a good understanding of the cane plants bio-chemical processes associated with YCS.**
- **Leads are now being followed up.**
- **A variety x time of planting/harvesting time was planted this year to assess genetic differences to YCS.**

YCS has been a difficult syndrome to research.



Rat management

- ▶ In 2016-17 rat damage has now become the largest economic pest for the Herbert cane industry.
- ▶ HCPSL, Mackay Area Productivity Services (MAPS), ACTA and CANEGROWERS Brisbane worked together to achieve an aerial rat baiting permit.
- ▶ Over 500ha have been rat baited to date.



CANEGROWERS

acta

Feral pig management

Hinchinbrook Community Feral Pig Management Program:

- ▶ This is a continuing program with a huge success rate.
- ▶ Existing members continue to pay into the program, with the exception of National Parks (NP).
- ▶ The Program continued to attract funding from the Nest to Ocean Program to manage feral pigs in coastal areas managed by NP and DNRM.
- ▶ Over 450 pigs were controlled during the period
- ▶ HCPSL and HSC assisted DAFF research into off-target impacts associated with 1080 baiting
- ▶ The environment, industry and the community significantly benefit from this program



Harvesting research and extension.

HCPSL, and SRA undertook harvesting R,D&E in the following areas:

- Measuring of sugar loss associated with harvesting (funded locally by HCPSL and Wilmar).
- Data analysis concerning the impact of harvester speed and pour rate.
- Conducted “Harvest Optimisation Week”. The data is currently analysed.
- Industry field tour to Isis and Maryborough Mill areas to view first hand changes in harvesting practices to improve sugar and cane recovery.



Industry visit to Isis and Maryborough Mill Areas



An industry delegation visited the Isis and Maryborough to review harvesting and farming systems.



Data management and analysis

- ▶ SRA funded project- Optimising productivity and variety recommendations through analysis of mill data was completed and outcomes now being implemented.
- ▶ Continuation of the HCPSL Yield Monitoring system
- ▶ HCPSL collects grower data and analyses it to:
 - ▶ Target its extension effort
 - ▶ Identify knowledge gaps
 - ▶ Validate industry practices
 - ▶ Support industry issues (like feral pigs and rats)
 - ▶ Defend the industry position



Precision Agriculture- Site Specific Management

- ▶ HCPSL continues its investment in the basestation network
- ▶ HCPSL undertook projects with:
 - ▶ CSIRO (SRA funded project) to develop management zones based upon HCPSL yield maps.
 - ▶ UNSW (Terrain and HCPSL funded project) to manage sodic soils south of Ingham.
 - ▶ SST software pilot project (HCPSL funded project) to manage farm related data.



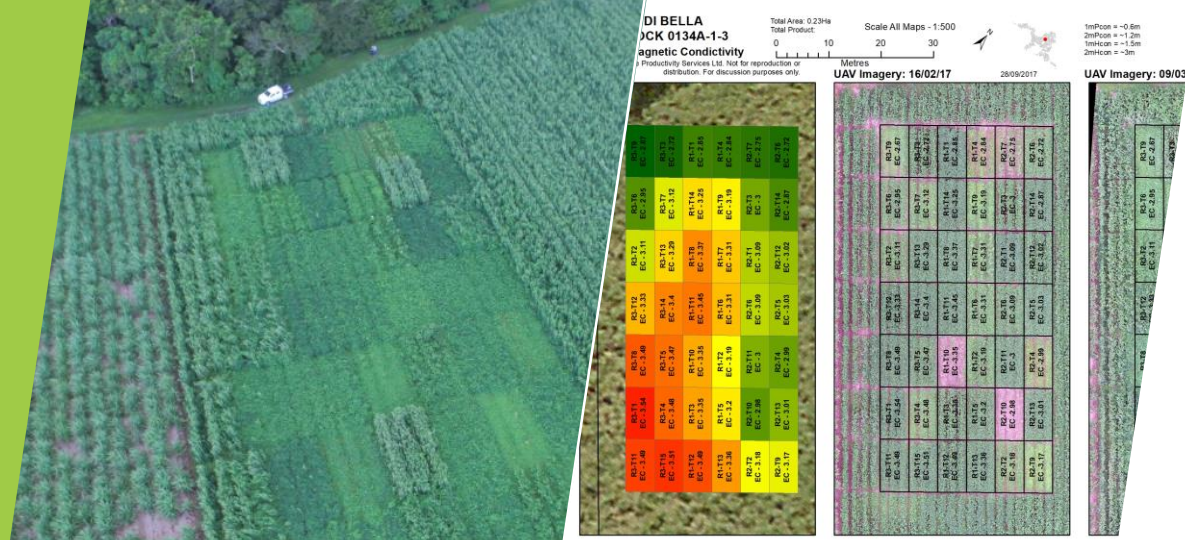
UNSW
AUSTRALIA



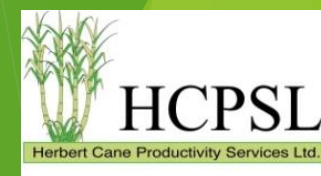
 **SST Software**

The Leader in Agriculture
Information Management





Precision Agriculture- drone technology



Dualem 421S

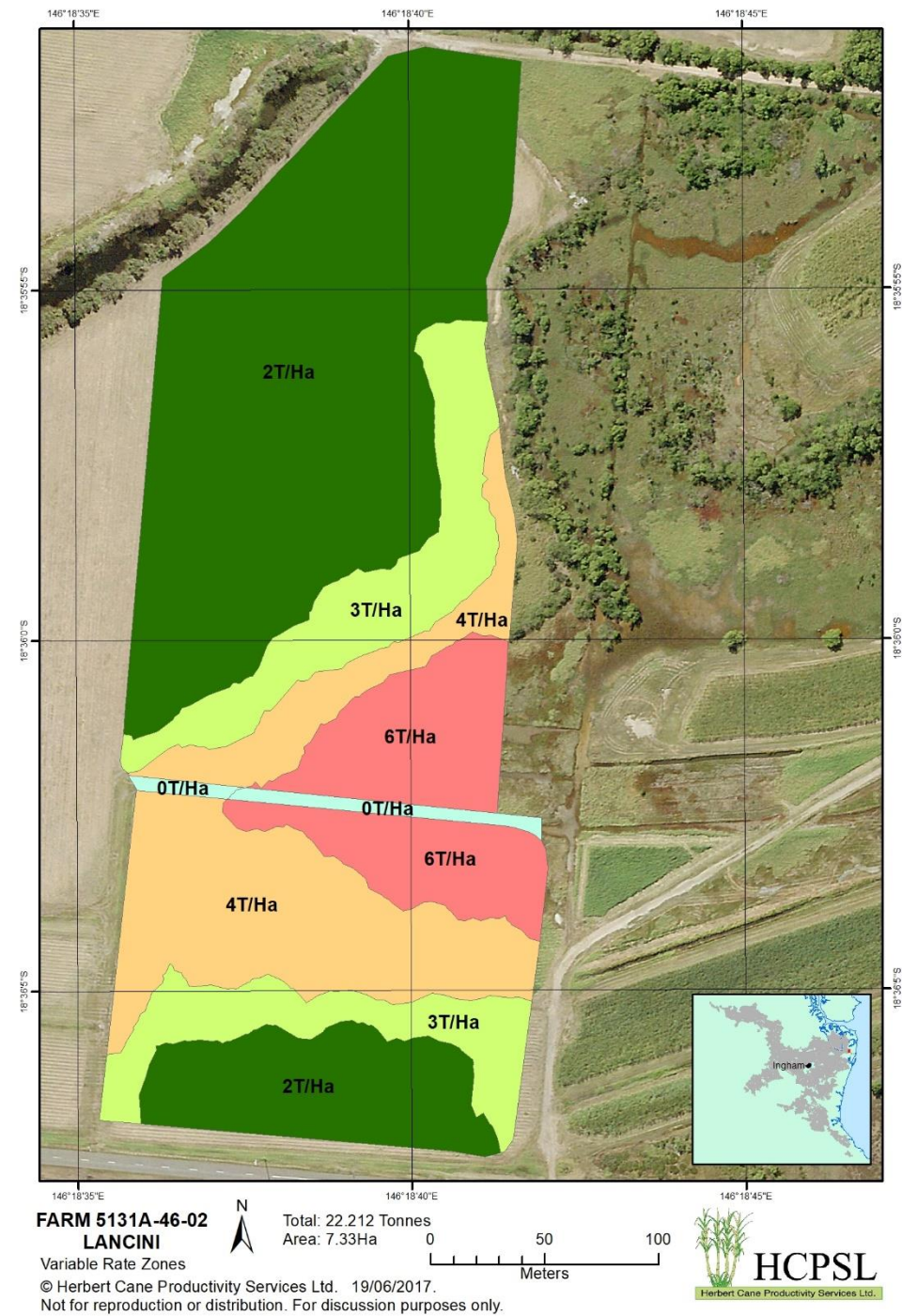
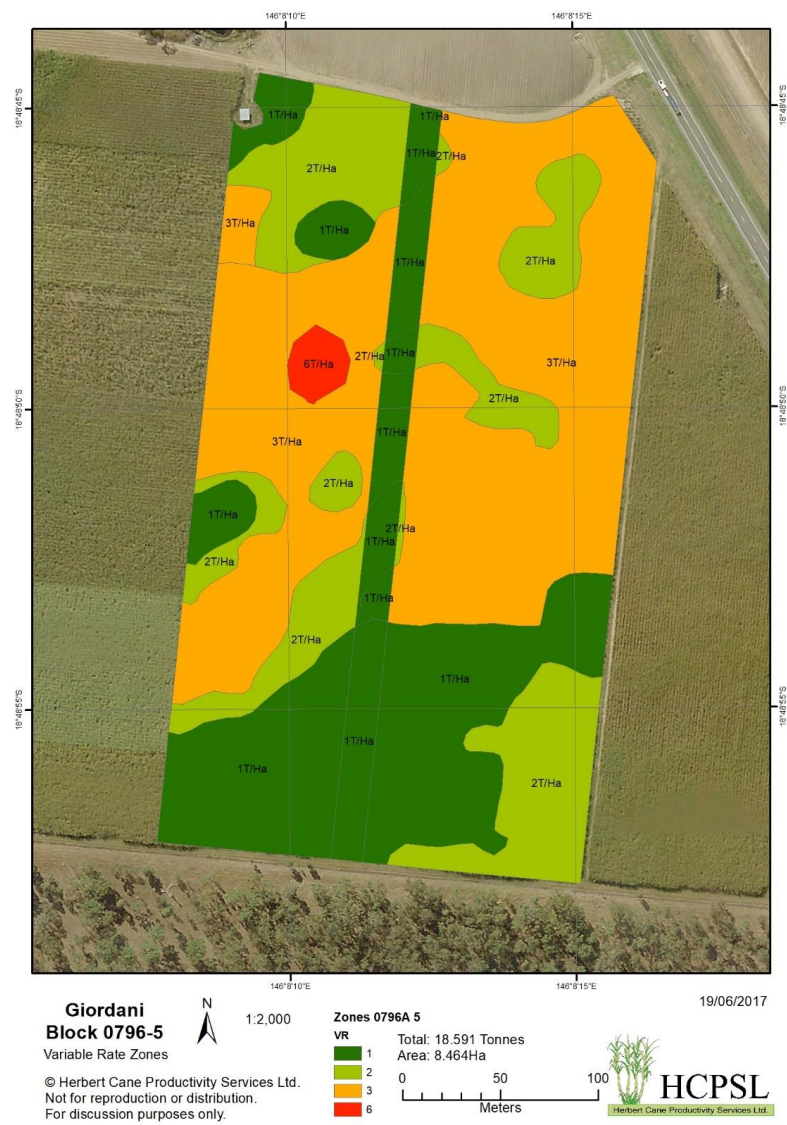
- ▶ HCPSL purchased a Dualem 421S through a Terrain NRM grant and HCPSL funds. Mossman Agricultural Services (MAS) supported the HCPSL project application with Terrain NRM.
- ▶ To date individual growers, SRA and MAS have utilized the fee for service program offered by HCPSL.
- ▶ The use of the data generated by the Dualem 421S unit, conjunction with other geo-spatial data (like yield monitoring) has been used to develop variable rate soil amendment maps.
- ▶ A number of cane blocks in the Herbert have had variable rate lime and gypsum applications.
- ▶ HCPSL worked the UNSW to develop soil mapping protocols and analytics.



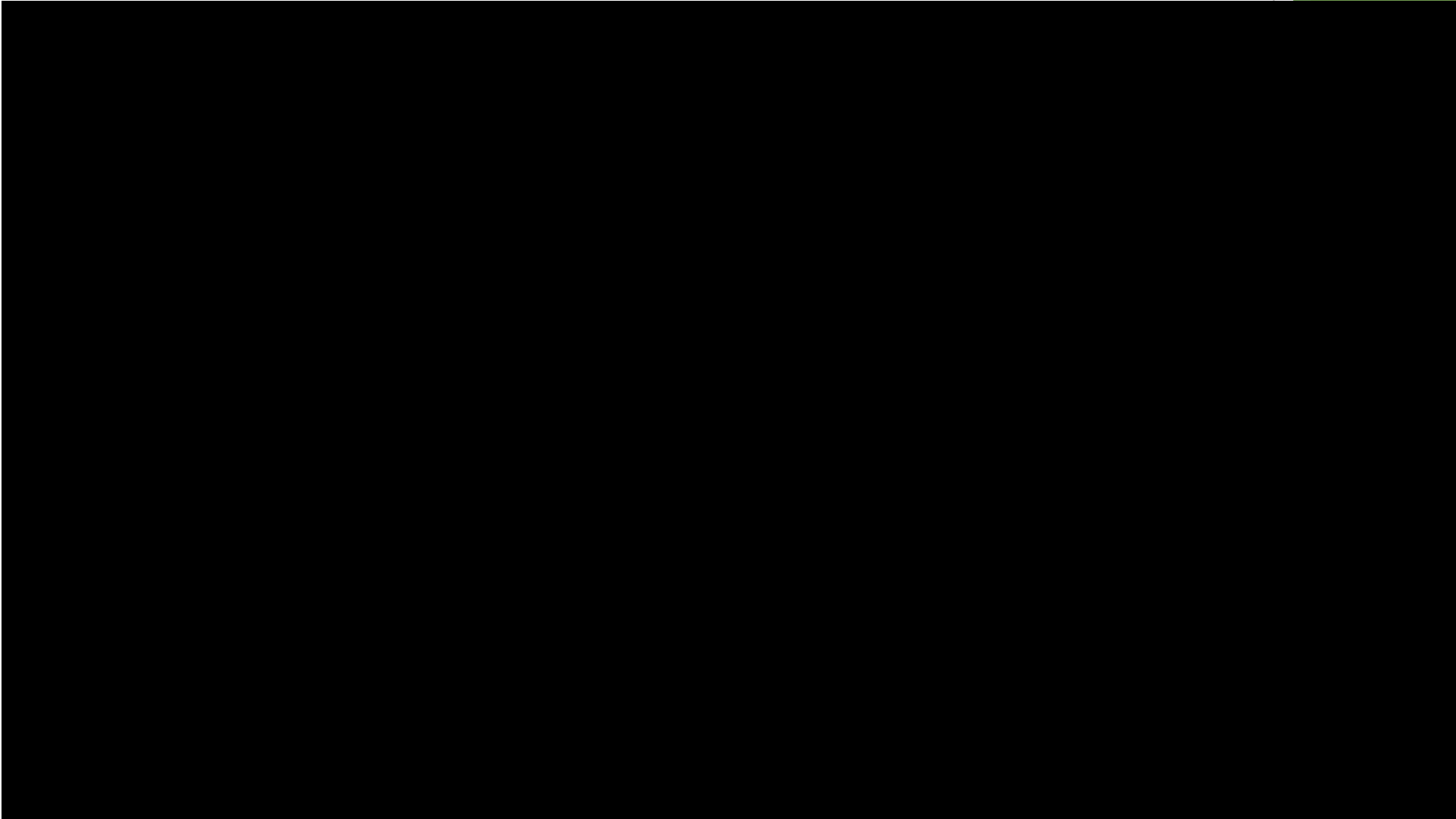
MIRIWANNI LIME Pty. Ltd.



Prescription maps developed by HCPSL



Miriwinni Lime VR Truck



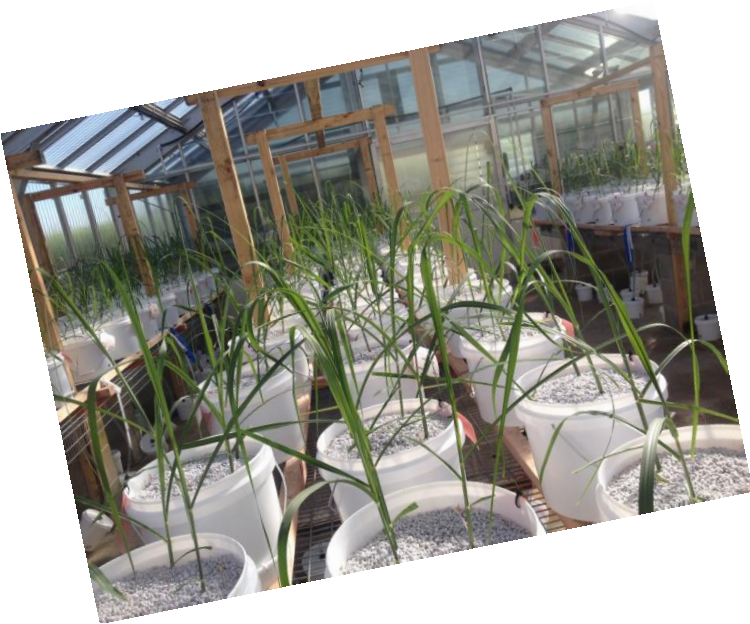
Minimising our environmental



- ▶ HCPSL continues to invest in water quality monitoring from cane lands. This data will assist industry make informed decisions
- ▶ HCPSL is managing projects associated with improvements in water quality going to the Reef

ie. Project NEMO, Reef Rescue, Enhanced Efficiency fertiliser research, improved herbicide practices, WTSIP, etc.





Improving NUE



Wet Tropics
Sugar Industry
Partnership



Dow AgroSciences



Sugar Research
Australia™



INCITEC PIVOT



Queensland Government



Where needs take us

Specialty
Fertilizers



Improving NUE- developing and extending knowledge



Activities:

- ▶ Project NEMO- working with growers to improve NUE
- ▶ The assessment of nitrogen loss pathways glasshouse experiment- project # 2 (funded by DOW Agrosiences)
- ▶ WTSIP nutrient management planning
- ▶ Involvement in the industry nitrogen review
- ▶ SRA/ DSIT Legume management trial
- ▶ UQ companion legume cropping

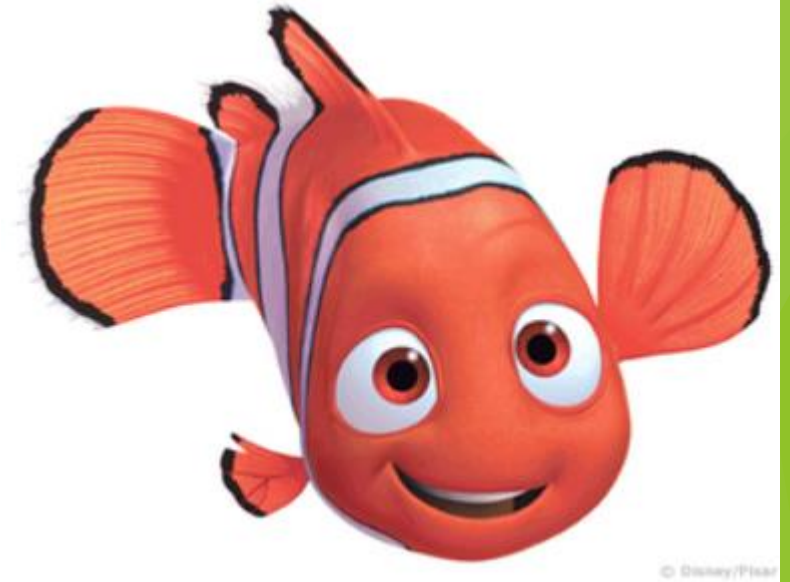


Extension activities- Project NEMO

- ▶ Aim: To improve grower practices in relation to nitrogen use, while achieving water quality outcomes.
- ▶ 3 year project funded by the Queensland Government.
- ▶ Adam Royle (Captain NEMO) leads this project.

Activities:

- ▶ Working with growers through one on one and group processes
- ▶ 12 demonstrations sites have been established to date
- ▶ Rainfall simulation study
- ▶ Water quality monitoring (co-invested with HCPSL funds)
- ▶ Facebook account- informing the farming and wider community



Extension activities: WTSIP



Wet Tropics
Sugar Industry
Partnership

Employment of Jarrod Sartor and Leanne Carr as WTSIP Extension Officers.

Role-

1. Assist growers with nutrient management planning
2. Assist growers adopt better pesticide application and IPM programs
3. Assist growers with specific Reef water quality grants projects

Key partners:



CANEGROWERS



HCPSL

Herbert Cane Productivity Services Ltd.



INNISFAIL BABINDA CANE
PRODUCTIVITY SERVICES



MOSSMAN
AGRICULTURAL
SERVICES Ltd.



MSF Sugar



Queensland
Government



Sugar Research
Australia



terrain
NATURAL RESOURCE MANAGEMENT



Tully
Cane
Productivity
Services
Ltd.



中糧
COFCO



wilmar

Managing pesticides

Activities undertaken this year:

- ▶ Auschem training (over 200 attended)
- ▶ IWM training under WTSIP program (over 150 attended)
- ▶ Weed management planning under the WTSIP program
- ▶ Conduct research and development with DOW, Arysta and Sumitomo to investigate an alternative herbicides to Duiron and variety phytotoxicity
- ▶ Grower demos on the Blair leg application system
- ▶ Conduct a glasshouse experiment to assess fungicides in high CEC soils



Key partners:



Dow AgroSciences



Investment into youth.

- ▶ Support of the U18 cane section of the Ingham Show.
- ▶ Support of the 2016 Hinchinbrook Careers Day.
- ▶ School visits by staff.
- ▶ Support of a Herbert River Young Farmers Group.
- ▶ Hosted 1 university placement student from QUT.



Showcasing our industry

Pest Animal Symposium:

- ▶ The Herbert River Catchment Group and HCPSL hosted delegates from the symposium to view first hand activities associated with feral pig management.
- ▶ Presentation concerning the Hinchinbrook Community Feral Pig Management Program as a conference paper.



GFRAS APEN international conference

HCPSL hosted 330 delegates from 45 countries at the conference.

Delegates viewed first hand activities of the sugarcane industry.





Special thanks

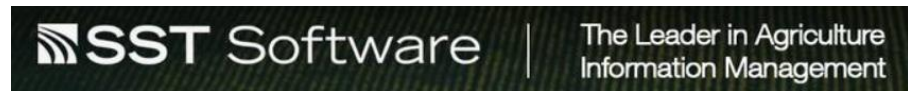
Key partners in 2016-17:



INCITEC PIVOT



Project Catalyst Partners



Thanks to the HCPSL staff



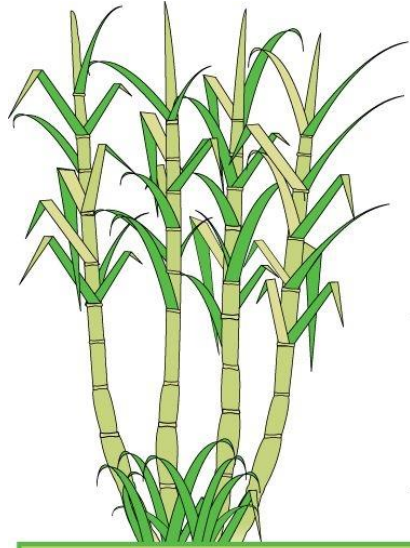
Conclusion

The HCPSL aim is to continue to strive to make things better, through the services it provides for its members.

Thanks for your on-going support.



Thank you!
Questions ?



HCPSL

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