

YOUR FARM, YOUR WAY Smartcane BMP is a program for you to document and celebrate the way you farm.

What is this about?

As we all know, weeds, pests and diseases have the potential to greatly reduce sugarcane yields. In recent years, the industry has evolved a robust set of control options to minimise their impact.

However, there are still challenges and opportunities. For example, there are legal constraints on use of some products, and each year there are new products on the market to consider.

There are also opportunities to achieve effective weed control with less use of residuals and more precise application technologies.

Avoiding diseases relies on accessing disease-free seed, using resistant varieties, and implementing hygiene practices to reduce spread by machinery. There are now testing methods for most diseases which can help prioritise and target interventions.

Canegrubs are the most common pest of sugarcane but other pests can be locally important, such as soldier fly and wireworms.

Why is it important?

Weeds, pests and diseases still cause significant reductions in cane yields. It's important to remain attentive to signs of weeds, pests and diseases to continue being productive.

It's essential to use herbicides and pesticides responsibly so you have ongoing access to them, and to secure your reputation as a steward of the land.

Selecting products, following their labels and any regulations, and timing and method of application all affect the risk of chemical run-off into waterways and other environments.

What's next?

REVIEW AND DISCUSS

If you'd like to document or review your weed, pest and disease practices, you can access Module 3 at smartcane.com.au. The module records your current practices, and the simple checklist format helps to identify options for further improvement.

Your district facilitator or productivity officer can help you follow-up on additional information, training or expert advice.

If you'd like more information, the following resources are available for free on the SRA website,

- Weed Management in Sugarcane Manual
- Fact sheets on each species of canegrub and on the other major pests of sugarcane file
- Fact sheets on the major diseases including RSD,
 Pachymetra root rot, and sugarcane mosaic

GET INVOLVED IN SMARTCANE BMP

Smartcane BMP has modules that cover all aspects of the cane farming business. It includes the option for becoming accredited in the farming practice modules (Modules 1, 2 and 3). Participation is entirely voluntary, and your facilitator can talk with you about what's involved and put you in touch with local growers who are also part of the program.

Contact your district facilitator to get involved.



What's in the module?

INDUSTRY STANDARD ABOVE INDUSTRY STANDARD CANEGRUB MANAGEMENT Controlling canegrubs by identifying different species Using a district-wide monitoring program and and monitoring plant damage, soil texture, and developing a unique grub management plan by proximity to known adult feeding sites applying an individual block risk assessment framework including paddock history **RAT MANAGEMENT** Avoiding the build-up of rats, implementing a Participating in a district-wide monitoring program baiting program when required and maintaining the correct records **OTHER PESTS** Knowing when pests are present and implementing Completing risk assessments for specific pests and management plans when needed implementing a management program when needed **WEED MANAGEMENT** Developing and implementing a weed management Developing and implementing a weed management plan based on the SRA weed plan template; developing plan that focuses on controlling weeds during the separate strategies for fallow, plant cane and ratoons; fallow period, minimal use of residual herbicides, and using GPS technology to identify and manage weed reducing the residual herbicides through banding and knock-down in inter-rows; and selecting spray problem areas equipment to suit crop stage **DISEASE MANAGEMENT** Avoiding diseases by implementing strategies while Preparing a disease survey that is updated each planning the farm and operations, destroying all cane season, and selecting rotational crops based on their at the end of each crop cycle, and being aware of susceptibility to host known pathogens like lesion and regional disease risks and testing when needed root knot nematodes **PRODUCT SELECTION** Selecting products that are approved for your intended purpose, using them as their labels describe, and being aware of the risks associated with them CHEMICAL STORAGE, MIXING AND USER ACCREDITATION nsuring everyone who uses chemicals on your Those who use chemicals maintain their currency farm has either been trained; or is supervised by through relevant training someone who has been trained storing chemicals in line with regulations; mixing chemicals at locations that meet label requirements and legislations; and disposing of chemicals and drums through approved disposa systems CHEMICAL APPLICATION AND RECORD-KEEPING Applying chemicals in line with label requirements and Reducing residual herbicides by banding residuals legislation, keeping records of chemical management along the drill, using knock-downs in the inter-row, using for each field, selecting appropriate nozzles, calibrating automatic flow rate controllers and precision application equipment at the start of each season, and with each equipment, and continuous monitoring and calibration change in product, including a chemical management



plan within the weed management plan, and timing

chemical application to minimise run-off