What are the benefits of Insecticide Resistance Management?

**SAVES MONEY**
- Maintains the most effective products for longer periods
- Reduces the need to switch to more expensive or less preferred methods of control
- Maintains yield expectations and ensures sustainable production

**SAVES TIME**
- Less time spent in the field as the need for repeated applications is reduced
- Less effort and worry trying to achieve effective pest control

**ENHANCES SAFETY OF PRODUCE**
- Reduces need for repeat insecticide applications, minimizing residue risks on produce

**PROTECTS YOUR HEALTH AND LAND**
- Resistance management practices increase worker safety and protects the environment

For more information on how to manage insecticide resistance effectively, please see the reverse of this leaflet or contact your local agricultural advisor.

www.irac-online.org    www.croplife.org
KNOWING YOUR INSECTICIDE MODE OF ACTION IS THE KEY TO RESISTANCE MANAGEMENT

Do you know?
• Although there may be many insecticides available to growers, many control insects with the same mode of action
• When insecticides with the same mode of action are used repeatedly, insecticide resistance can develop quickly and the insecticide stops working

The insecticide mode of action can easily be identified by the IRAC mode of action classification label. All insecticides which share the same number have the same or similar modes of action. Therefore if resistance develops to one insecticide, it is likely that other insecticides from the same group will also be affected by the resistance.

Follow this rule
To prevent resistance, alternate insecticide with different mode of action numbers.

There are currently 27 insecticide modes of action identified, but not all are active against all insect pests

ADDITIONAL KEY ADVICE TO AVOID RESISTANCE DEVELOPMENT
• Combine the use of chemical, biological and other pest control methods in an integrated pest management (IPM) program
• Scout for pests and apply only when economic thresholds are met
• Follow label instructions on the use of each insecticide product, including rates and water volumes
• Check and maintain spraying equipment and replace spray nozzles when needed
• Target the most susceptible life stages of the pest insect
• Try to use insecticides which have a minimal impact on natural pest enemies
• Avoid using insecticides with similar mode of action when it is known that the target pests in your area have become resistant to them

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