The Insecticidal Soap

## ACTIVE INGREDIENT：POTASSIUM SALTS OF FATTY ACIDS（47\％）

## OPAL ${ }^{\circledR}$ INSECTICIDAL SOAP

＞Opal ${ }^{\circledR}$ Insecticidal Soap is a contact insecticide that controls a variety of common garden and crop pests．
＞The easy－to－apply spray can be used indoors，outdoors and in greenhouses．
＞Opal ${ }^{\circledR}$ Insecticidal Soap does not persist in the environment and can be used up to the day of harvest．

## MODE OF ACTION

＞Opal ${ }^{\circledR}$ acts in two ways：（i）suffocation and disruption of the structure and permeability of insect cell membranes，resulting in death；（ii）via direct contact with pests and has no residual insecticidal activity once the spray has dried．

## PESTS AFFECTED

＞Opal ${ }^{\circledR}$ is effective on aphids，earwigs，mealybugs，spider mites，psyllids， pear and rose slugs（sawfly larvae），soft brown scale，whitefly，and other common garden and crop pests．

## USE SITES

＞Opal ${ }^{\circledR}$ can be used outdoors，indoors and in greenhouses on vegetables， fruit trees，houseplants，ornamental and shade trees，bedding plants， shrubs，and flowers．

## REDUCED RISK

＞Opal ${ }^{\circledR}$ may be used up to the day of harvest and does not persist in the environment．
＞Re－Entry Interval if used indoors： 12 hours．
＞Pre－Harvest Interval： 0 days．

Control of Whitefly on zucchini，relative to the untreated check


Control of diamondback moth larvae in a lab bioassay， 2 days after treatment （Victoria，2007）


