

BIRD SHIELD® Repellent

EFFECTIVE BIRD CONTROL FOR BLUEBERRIES

BIRD SHIELD® is a food-grade bird repellent developed with major university assistance. It has been used for years on agriculture crops including blueberries, cherries, apples, corn, sunflowers, rice, table grapes and other crops.

The active ingredient is Methyl Anthranilate, a constituent of Concord as well as other grapes. Methyl Anthranilate, or MA, has been used by the food and drug industry for more than forty years to flavor candy, sodas, gum and drugs. It is on the U.S. Food & Drug Administration's "Generally Recognized As Safe" (GRAS) list.

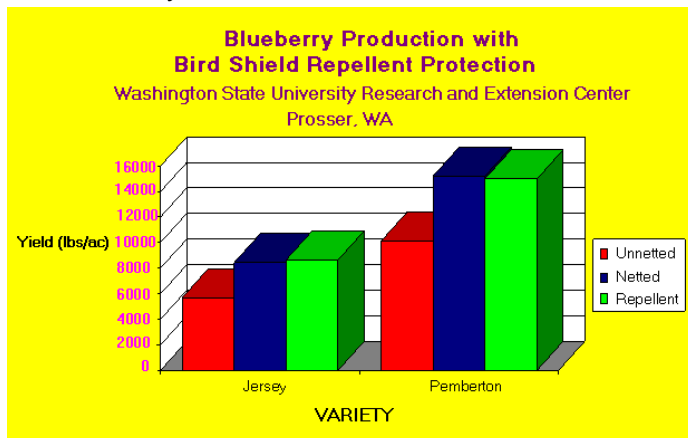
BIRD SHIELD® can be applied by air or ground when the crop begins to ripen or birds begin to feed on the crop. The earlier **BIRD SHIELD®** is applied to the crop the more effective it will be. **THE OBJECTIVE IS TO PREVENT BIRD DAMAGE BEFORE IT STARTS!**

FIELD TRIALS

UNIVERSITY TRIALS FOUND THAT BIRD SHIELD® INCREASED PRODUCTION BY 40+% OVER A 4 WEEK HARVEST PERIOD!

One gallon of **BIRD SHIELD®** Repellent in 99 gallons of water (1% solution) was applied with an air-blast sprayer to one half of the Blueberry research field at the Washington State University Research and Extension Center in Prosser 4 times at 7 day intervals during the growing period. The other half of the field was left untreated for a comparison. Prior to the trials, bird exclusion cages were constructed around ten bushes in each half of the research site. All of the bushes were harvested at the same time every 7 days before the 2nd, 3rd and 4th repellent application was applied. The un-netted Jersey bushes produced about 6,000 lbs/acre while the un-netted Pemberton variety produced about 8,000 lbs/acre. There was no statistical difference between the netted and repellent treated bushes. Approximately 10,000 lbs/acre were harvested from the **BIRD SHIELD®** protected Jersey variety and about 16,000 lbs/acre were harvested from the **BIRD SHIELD®** protected Pemberton variety over the four week trial period. Few, if any birds, remained in the field after the first application of the repellent.

Efficacy of **BIRD SHIELD®** on Blueberries



FREQUENTLY ASKED QUESTIONS

HOW DO I KNOW WHEN I CAN HARVEST THE CROP?

Generally the crop is ready to be harvested six to eight days after the last application, however, sunlight and temperature can effect **BIRD SHIELD®**'s longevity and more time may be needed before all taste and odor cannot be detected prior to harvest.

CAN BIRD SHIELD® BE WASHED OFF?

BIRD SHIELD® is rain fast and is gradually broken down by sunlight and air movement.

HOW MUCH DO I USE?

The effective application rate for blueberries is 1 gallon of **BIRD SHIELD®** with 99 gallons of water applied with ground equipment. For machine harvest, re-apply at six to eight day intervals. For U-Pick harvest, re-apply a half-rate application every 3-4 days. See label for specific application instructions. Label and MSDS can be found on **BIRD SHIELD®**'s website.

CAN BIRD SHIELD® BE APPLIED WITH OTHER AGRICULTURAL CHEMICALS?

BIRD SHIELD® may be mixed with EPA approved *bacillus*, insecticides and fungicides. Check for compatibility and refer to individual product labels prior to use. Do not add surfactants, stickers or spreaders to the **BIRD SHIELD®** tank mix.

HOW DO I USE BIRD SHIELD® ?

BIRD SHIELD® works best when applied to crops early in the morning or late in the afternoon when temperatures are lowest and winds are calm. Extremely hard water that contains high amounts of iron and calcium can affect the tank solution so compatibility tests are suggested prior to tank mixing.

FOR MORE INFORMATION CONTACT:

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OR VISIT US ON THE WEB AT:
www.birdshield.com