



## Quality postharvest products and service

### REMOVING SURROUND® RESIDUES FROM POME FRUIT AND BLUEBERRIES

Surround® (Engelhard Corporation) is a kaolin, also called china or porcelain clay, based product used for sunburn and insect damage protection in selected crops, mostly apples, pears and blueberries. The aerial spray application of the product leaves white residues on the fruit, which in some instances are difficult to clean.

DECCO's food grade fruit and vegetable cleaners can assist the packer to remove these residues effectively. For best results, use listed DECCO cleaners following recommended application methods.

1. **DECCO Fruit & Vegetable Kleen® 241 (DECCO FVK 241), a neutral cleaner**
2. **DECCO Fruit & Vegetable Kleen® 440 (DECCO FVK 440), an alkaline cleaner**
3. **DECCO Apple Kleen® 246, an acid cleaner**

#### For Blueberries

Dilute one part of DECCO FVK 241 with 80 parts of fresh water. Dip the berries for 1-3 minutes\* (depending on severity of the Surround residue) into the tank solution followed by a fresh water rinse.

***Do not use alkaline or acid cleaners on blueberries, may cause discoloration or peeling.***

#### For Apples and Pears\*\*

Use DECCO acid or alkaline cleaners in dip tanks, and flumes and sprayers over the washer brushes.

A) Dilute one part of DECCO FVK 440 with 100 parts of fresh water. Dip the apples for 30-60 seconds (depending on severity of the Surround residue) into the tank solution before the reach washer brushes followed by a fresh water rinse.

B) Dilute one part of Apple Kleen® 246 with 100 parts of fresh water. Dip the apples for 30-60 seconds (depending on severity of the Surround residue) into the tank solution before the reach washer brushes followed by a fresh water rinse.

Note: With the extreme pH ranges being used, care needs to be exercised to not damage the fruit. It is recommended to test sample runs of fruit before committing to a full-line run.

Always read and follow label and MSDS directions prior to using any chemical product.

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\*The cleaning action will depend on soaking time/Surround residue and may vary. \*\*DECCO Apple Kleen 246® is not compatible with pear floating agents and had to be used separately. DECCO alkaline cleaner FVK 440 can be mixed with sodium silicate solution to enhance the wetting activity. Fruit and Vegetable Kleen and APL Kleen are registered trademarks of DECCO US Post-Harvest, Inc. Surround is a registered trademark of Engelhard Corporation. ©2013 DECCO US Post-Harvest, Inc.