

GETTING THE BEST OUT OF PARKA

Parka® is a patented blend of phospholipids with unique elasticity properties designed to supplement the cuticle of growing fruit and foliage. Supplementing the cuticle of the fruit reduces micro-fractures in the cuticle minimizing cracking from rain, improving finish and reducing post-harvest disorders. Cracking can be attributed to differences in cuticle development and by a range of environmental conditions. Parka should be used as part of a management program.

USE RECOMMENDATIONS:

Shake Well Before Using.

DO NOT USE WITH CAPTAN.

DO NOT USE CAPTAN AFTER MID FLOWERING IF PARKA IS TO BE USED.

DO NOT USE SULPHUR WHERE PARKA IS TO BE OR HAS BEEN APPLIED.

DO NOT MIX WITH SURFACTANTS, STICKERS OR PINOLENE BASED MATERIALS.

Avoid applying when dry times are long (spraying in a cool afternoon/evening with excessive dry time)

Before using on White cherries it is recommended that a small area is treated first to ensure no marking.

MIXING:

DO NOT MIX WITH ANY OTHER PRODUCTS. For best results finished spray solution pH should be between 5 and 7.

APPLICATION:

Use PARKA at a rate of 9.5 litres per hectare in 1500 to 2000 litres of water. Ensure good coverage. DO NOT USE higher or lower dilution or water rates as fruit marking may occur. Apply using a calibrated orchard sprayer.

TIMING:

Apply in a two-application program at 100% shuck fall and straw colour. A 3rd application can be considered if there is a rain event >10 days after last application. For maximum effect all cherries must be thoroughly covered.



CHERRY CRACKING SUPPRESSANT

SUPERIOR PROTECTION STARTS WITH PARKA

Benefits: Less cracking and splitting

Features:

- ✓ **FOOD GRADE** hydrophobic formulation: edible, colourless, tasteless
- ✓ **ELASTOMERIC** properties allow protection to grow with fruit
- ✓ **SUPPLEMENTS** the cuticle
- ✓ **REDUCES** the impact of environmental stress
- ✓ **INCREASE** marketable yields
- ✓ **IMPROVES** fruit quality and finish



PH: 0800 100 325
WWW.UPL-LTD.COM/NZ



PARKA is manufactured by: Cultiva www.cultivaipm.com
TM: Parka is a trademark of Cultiva, Portland, OR, USA

© Copyright Etec Crop Solutions Limited 2019, all rights reserved. All directions for use, recommendations, use rates, compatibilities and other technical information is proprietary to Etec Crop Solutions.

Parka® is a food-grade hydrophobic BioFilm applied to cherries to assist in the reduction of cracking due to rain.





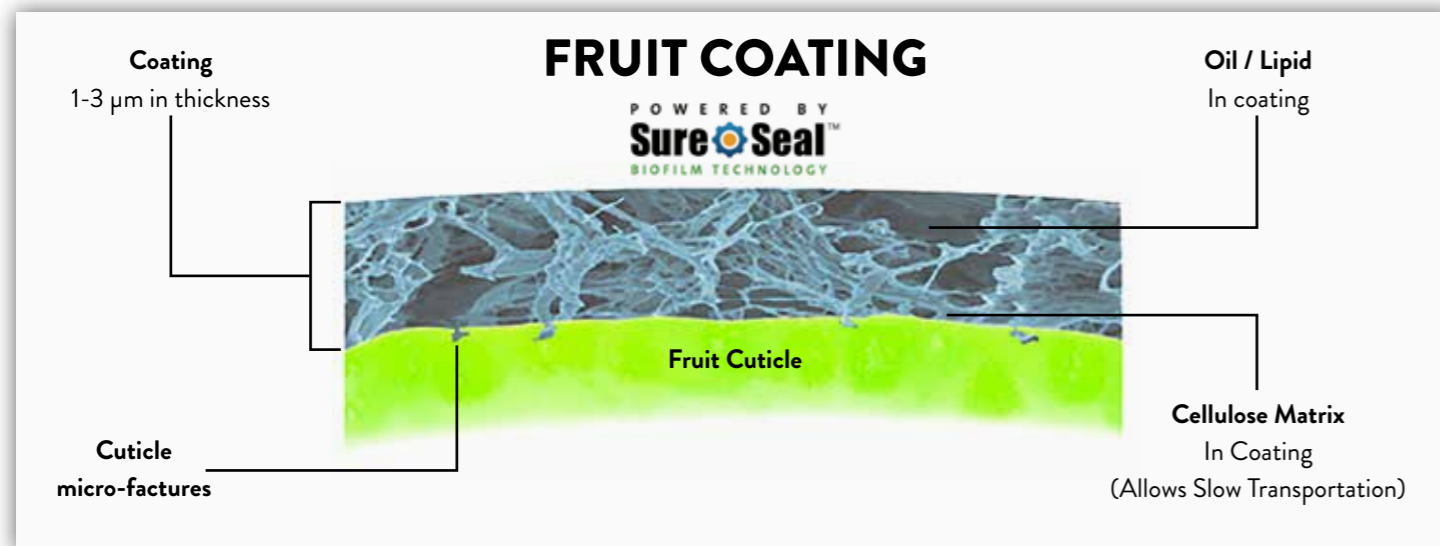
Rain induced cherry cracking is a complex combination of factors that are constantly interacting. Rain at the wrong time can be very punishing to high value cherry crops, causing splitting and cracking-robbing quality and profit.

PUT ON PARKA FOR THE BEST RAIN PROTECTION

Parka is an elastic, organic biofilm made of a proprietary blend of phospholipids.

Parka® is a cuticle supplement that has been developed for cherries and is based on Cultiva's SureSeal™ technology. Its hydrophobic properties repel moisture from the fruit surface to minimize external water damage. By mimicking and supplementing the natural fruit cuticle, Parka® has demonstrated that it can reduce rain cracking significantly.

HOW DOES PARKA® WORK?

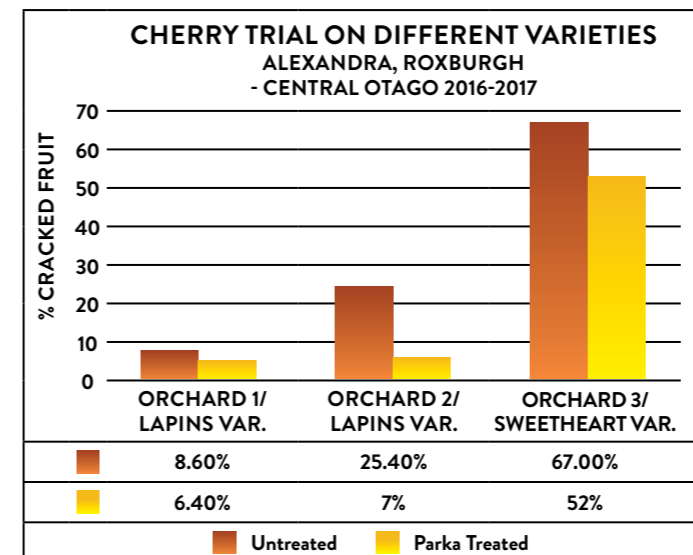
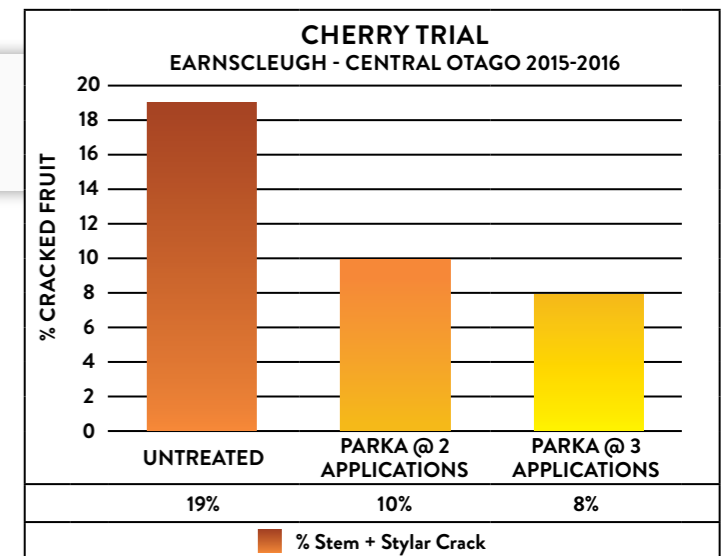


The proprietary technology SureSeal™ from Cultiva™ was originally developed by researchers in Oregon State University, is designed to supplement the cuticle of fruit and foliage. The cuticle is essential in protecting the fruit from environmental stresses, moisture loss or excessive moisture events. Healthy cuticles lead to a healthy more marketable fruit. The unique blend of phospholipids acts in different ways to supplement the cuticle of the plant:

- Enhances the fatty acid composition thereby improving membrane stability.
- Increases the fruit antioxidant capacity and reduces hydrogen peroxide accumulation. This limits oxidative stress which results in better cell integrity.



The assessment for rain induced cracking levels showed differences between treatments. Parka® treatments at 2 or 3 applications reduced the percentage of cracked fruit.



Parka® reduced the percentage of cracked fruit in different cherry orchards on Lapins and Sweetheart varieties respectively. Parka® was applied at 10 litres/ha, with a water rate of 1500 to 2000 litres/ha. Two applications were applied:

- 1st application: at straw
- 2nd application: 7 to 10 days later



Trials evaluating cracked fruit were conducted in 2016-2017, in Roxburgh, Central Otago on both Lapins and Sweetheart varieties. Overall there was a greater reduction in the incidence of rain induced cracking with the application of Parka® in comparison to the calcium treat cherries.

