

Pad Safe II

Water Emulsible Shaker Pad Lubricant

No. 816

DESCRIPTION:

Pad Safe II is the second generation of Frontier's Pad Safe line of pad and sling lubricants for tree shakers equipped with water injection lubricators. It is a unique blend of water emulsible silicone, synthetic lubricants and corrosion inhibitors designed to readily mix in the water storage tank and remain in suspension. **Pad Safe II** was specifically designed for use by commercial harvesters and independent operators shaking large quantities of trees in varying operating conditions. **Pad Safe II** is a cost effective alternative for high consumption users concerned with reducing operating costs without sacrificing performance.

FEATURES:

Pad Safe II contains a proprietary combination of polydimethylsiloxane, polymeric lubricants and low micron solids that reduce frictional wear. The low micron sizes of the solid friction modifiers in **Pad Safe II** greatly increase the surface area of the solids. This reduces the frictional drag of the sliding surfaces of the pads and slings allowing better lubrication with less volume. The sub micron solids in **Pad Safe II** penetrate into pads and slings and create multiple layers of protection. This reduces wear and increases sling life.

PERFORMANCE CHARACTERISTICS:

Pad Safe II is highly concentrated and economical to use.

When combined with water, **Pad Safe II** will form a heat resistant lubrication barrier that conditions and preserves, maintaining the natural elasticity and pliability in rubber components.

Pad Safe II is not affected by heat and will remain on the contact area even in the most severe conditions preventing blistering and cracking.

When used in dusty and highly contaminated applications such as nut harvester's encounter, **Pad Safe II** will remain contaminant free.

Pad Safe II will not leave a sticky residue to attract dirt and contaminants. Equipment will remain contaminant free for ease of service.

DIRECTIONS FOR USE:

Add 1 to 2 quarts of **Pad Safe II** per 25 gallons of water, depending on crop conditions. To ensure a proper mix first add the silicone to the tank and then top fill with water to fully emulsify.

APPLICATION RATES AND COST PER APPLICATION:

Almonds

Approximately 110 trees per acre
Recommended usage 1qt. to 25 gal water
Recommended injection per side 3/4 oz.
Average trees per tank, 2133
Average cost per acre \$0.26
Average cost per tree \$0.0024

Pistachios

Approximately 135 trees per acre
Recommended usage 1qt. to 25 gal water
Recommended injection per side 1/2 oz.
Average trees per tank, 3200
Average cost per acre \$0.22
Average cost per tree \$0.0016

Prunes

Approximately 120 trees per acre
Recommended usage 1 qt. to 25 gal water
Recommended injection per side 3/4 oz.
Average trees per tank, 2133
Average cost per acre \$0.28
Average cost per tree \$0.0024

Walnuts

Approximately 90 trees per acre
Recommended usage 1qt. to 25 gal water
Recommended injection per side 1oz.
Average trees per tank, 1600
Average cost per acre \$0.29
Average cost per tree \$0.0032

The above recommendations are an average. The amount of product used in a 25-gallon tank can be increased or decreased depending on crop conditions and age and size of tree. These recommendations are a point of reference and should be used for that purpose.

The elevated per side injection recommendation on walnuts also applies to any tree that requires scaffold shaking. The inconsistent angle of the shaker head requires more volume of fluid to aid in flow to the contact patch.