



Yucca™

The Non-Ionic Surfactant, Spreader, Activator

ANALYSIS: 50% EXTRACT OF YUCCA SCHIDIGERA

WHAT IS IT?

- CFIA-registered supplement: Reg. # 2018085A, Fertilizers Act.
- It is a natural extract of Yucca schidigera, a plant that grows in some of the harshest environments.
- Yucca™ is a rich source of steroidal saponins as well as other stress-alleviating compounds and antioxidants.
- Saponins are natural surfactants and wetting agents.
- When added to the spray tank, saponins from the Yucca extracts reduce the surface tension, hence facilitating the spread of fertilizer solution onto the entire leaf.
- When applied onto the soil with liquid starters, Yucca extract acts as a wetting agent reducing the formation of dry spots or water channels. This improves nutrients and water uptake in the root zone.

WHEN & WHY USE IT?

- The product is recommended on all crops including field, horticultural and vegetable crops as well as fruit trees, turf and ornamentals.
- Include low doses with all sprays or soil applied fertilizers.
- Use with fertilizers to enhance efficacy and improve hydration and coverage.
- Saponins are known for their stimulatory activity of growth and development as well as their protective effect against biotic and abiotic stresses.

WHAT TO EXPECT?

- Better spread and improved coverage of the foliage.
- Improved water use efficiency (WUE).
- Protection against dehydration, excess UV and heat.

Application Guidelines

- Yucca™ can be mixed with commonly used liquid fertilizers intended for in-furrow or foliar.
- Include with all foliar sprays of fertilizers and/or pesticides.
- Apply with enough water to guarantee a uniform coverage.

*Yucca™ is a trademark of EZ-Gro Inc.

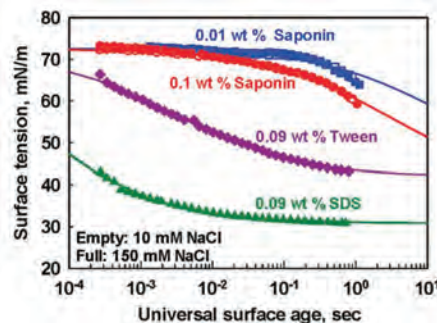


Figure 1. Effect of saponins from the Yucca extract on the breakage of surface tension as compared to other non-ionic surfactants (Source: Stanimirova et al. 2011).

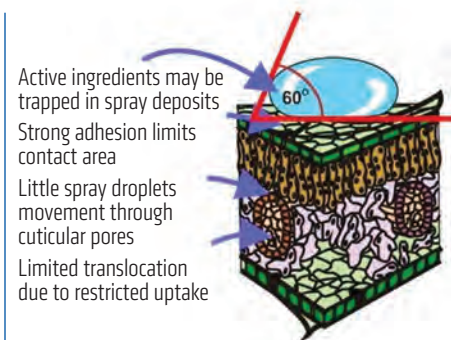
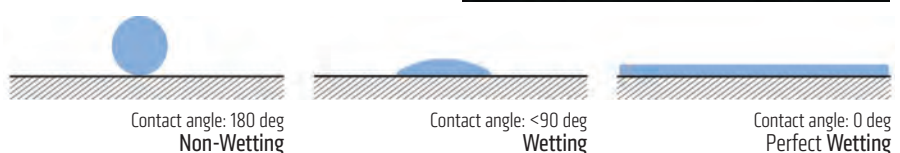


Figure 2. Effect of the addition of Yucca extract on the improvement of the contact angle and wetting of the leaves.



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