

Trial Location & Researcher

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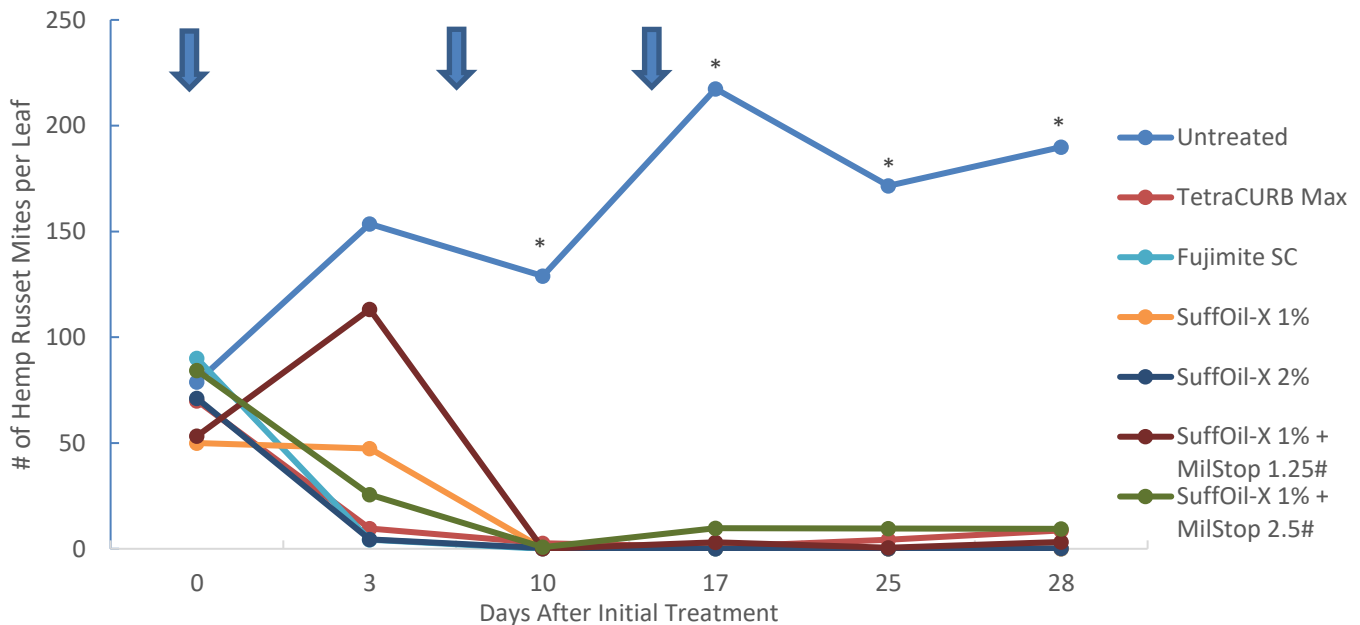
BioWorks Products Included in Trial

SuffOil-X®
MilStop® SP

Summary: SuffOil-X applied alone or tank-mixed with MilStop SP controlled hemp russet mites on greenhouse-grown hemp. Treatments containing SuffOil-X provided control that was as good as the chemical standard FujiMite SC.

Treatment	Rate/100 gal
Untreated Check	-
TetraCURB MAX	1 gallon
FujiMite SC (Fenpyroximate)	3 pints
SuffOil-X	1 gallon
SuffOil-X	2 gallons
SuffOil-X + MilStop	1 gallon + 1.25 #
SuffOil-X + MilStop	1 gallon + 2.5 #

Method Summary	
Crop	Hemp (<i>Cannabis sativa</i>)
Variety	Unicorn
Location	Colorado, USA - Greenhouse
Pest	Hemp russet mite (<i>Aculops cannibicola</i>)
Trial Design	Randomized Complete Block
Application Dates	6/25/2021 (All treatments)
	7/2/2021 (All treatments except FujiMite)
	7/9/2021 (All treatments except FujiMite)
Application Method	Foliar Spray



Average number of hemp russet mites per leaf. Treatments were applied on day 0, 7 and 14, as indicated by arrows. Asterisks indicate where significant differences among means were detected.

Result Summary

- All treatments significantly reduced hemp russet mites (HRM) on greenhouse hemp.
- SuffOil-X applied alone or tank-mixed with MilStop SP controlled HRM as well as the chemical standard FujiMite SC
- SuffOil-X at 1 and 2 gallons/100 gallons provided similar efficacy.
- SuffOil-X at 2 gallons/100 gallons provided faster knockdown of HRM than SuffOil-X at 1 gallon/100 gallons.
- SuffOil-X tank-mixed with MilStop SP provided similar control of HRM as SuffOil-X applied alone.
- SuffOil-X tank-mixed with MilStop SP at 2.5 #/100 gallons provided faster knockdown of HRM than when mixed with MilStop SP at 1.25#/100 gallons.

Recommendations from Data

- Apply SuffOil-X at 1 gallon/100 gallons under low to moderate mite pressure.
- Apply SuffOil-X at 2 gallon/100 gallons under moderate to high mite pressure.
- If the crop is at risk from powdery mildew as well as HRM, tank-mix SuffOil-X at 1 gallon/100 gallons and MilStop SP at 1.25 (preventative) or 2.5 (curative) pounds/100 gallons.
- SuffOil-X and MilStop SP can be tank-mixed or rotated with chemical pesticides for resistance management of arthropods and diseases.



- Check BioWorks product compatibility at: <https://bioworksinc.com/ask-us/product-compatibility/>

Refer to product labels for complete application details. Additional technical information is available on our website (<https://bioworksinc.com/>) or from your BioWorks biological solution advisor. Always read and follow label directions.