

New Biopesticide
Code name: RM-1963K
(Edible blended oil)



OAT Agrico Co., Ltd.

— Tokyo, Japan —

2021 IR-4 meeting



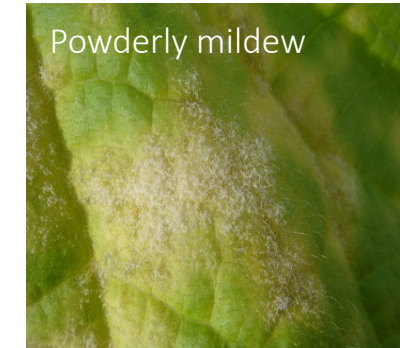
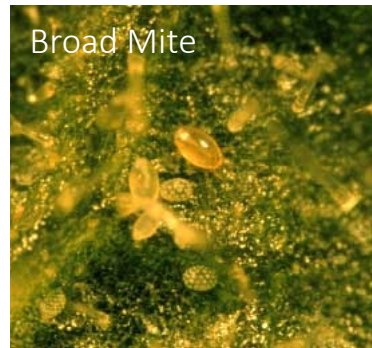
Technical Information

- Product name
RM-1963K (Code name)
Suffoil (Product name in Japan)



- Active Ingredient
Edible blended oil : 97 %

- Type
Insecticide, Miticide & Fungicide



- Human-Friendly
 - Naturally occurring product
 - ADI/MRL: Exempted
 - PHI: 0 day

- Environmental-Friendly
Low impact on beneficial insects, predatory mites and bees

- Registration
Japan, Taiwan, and Korea

NOTICE

JAS (Japanese Agricultural Standards) certifies A.I. of RM-1963K is compatible with organic cultivation.



Characteristics

■ Efficacy

1. No systemic activity, translaminar effect or vapor action
2. Rapid reduction of pest population
3. Active to all growth stage, eggs, larvae, nymphs, and adults
4. Residual effects (up to 7 days) on *T. urticae*

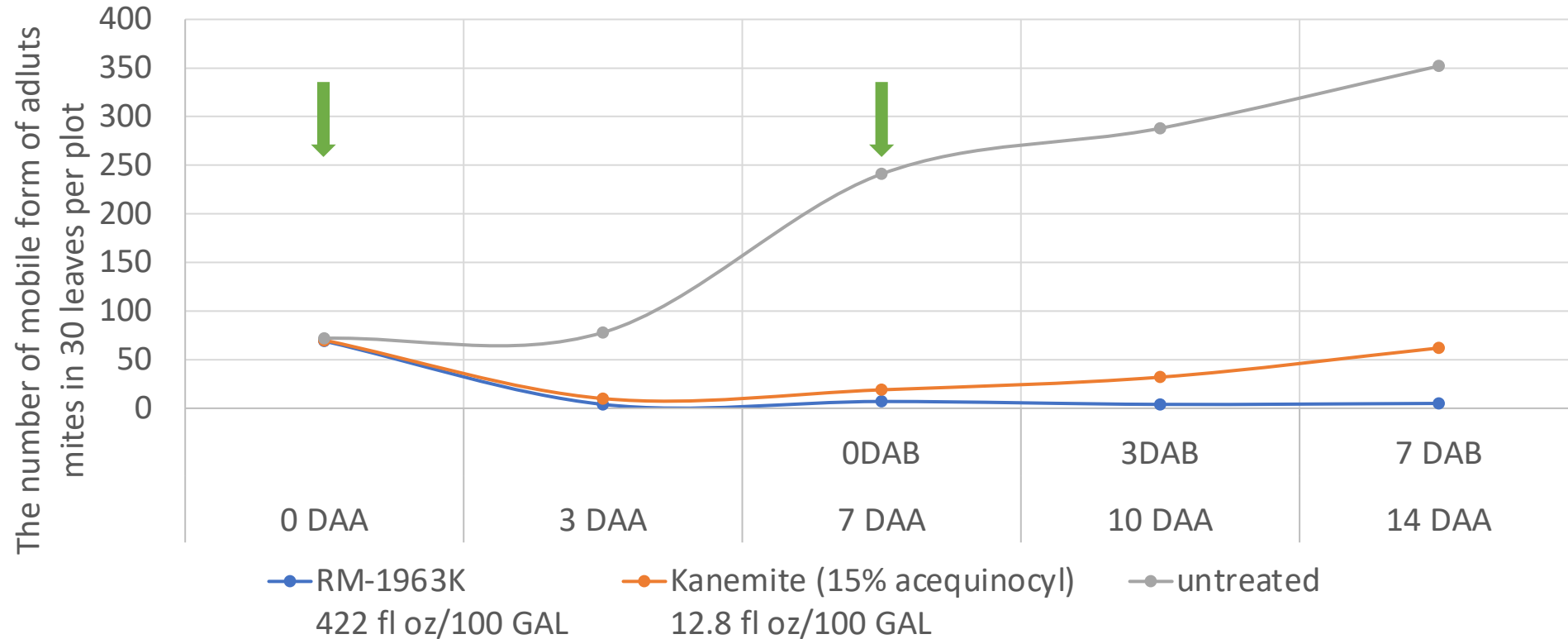
■ Mode of Action

1. Consider to be suffocation by blocking the spiracle
2. Inhibit the behavior and egg laying in mites ← **New Findings**
3. Inhibit the orientation and the courtship behavior
in white flies ← **New Findings**



Efficacy (Greenhouse)

Chrysanthemum/yellow spider mite/Kagawa, Japan



Region/county/state/Country: Kagawa, Japan
 Crop: Chrysanthemum (cv. Itsuki)
 Target pest: yellow spider mite (*Tetranychus urticae*)
 Number of application: 2
 Application interval: 7 day

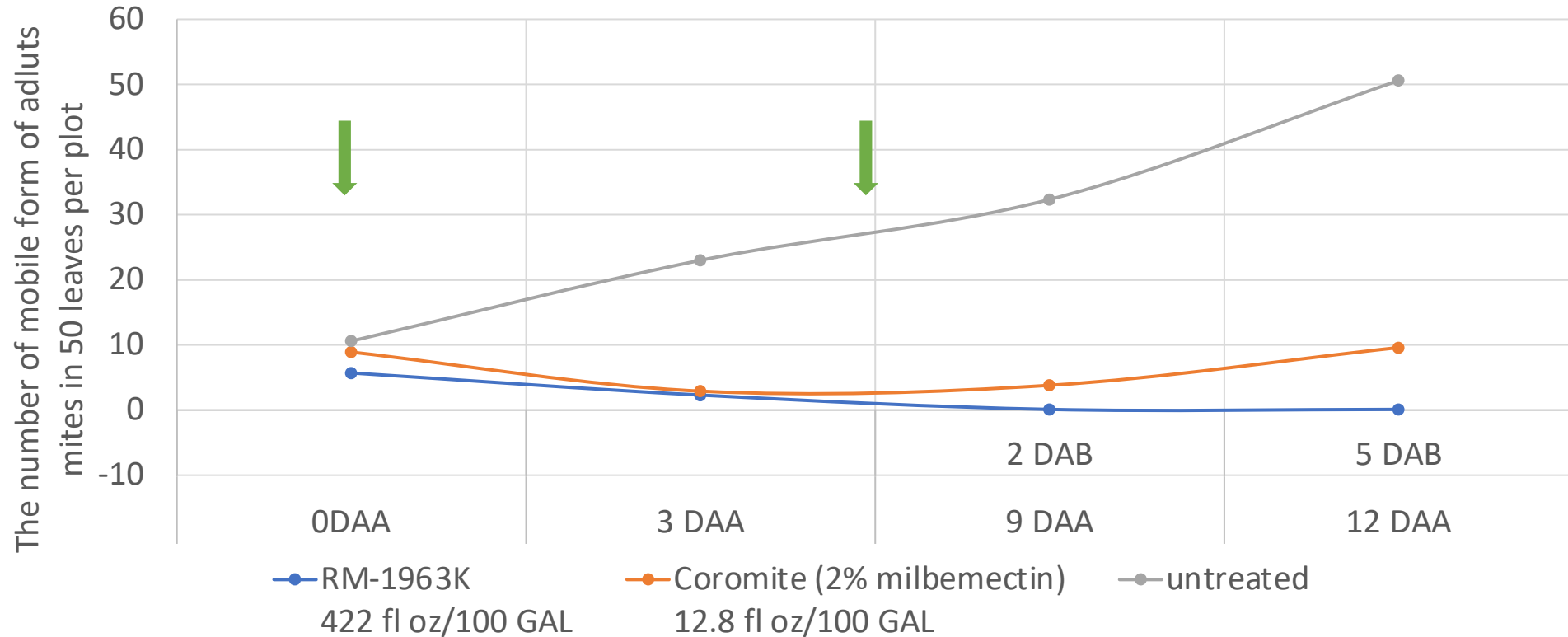
Application volume: 321 Gal/Acre
 Infestation pressure: low to medium (artificial infestation)

DAA: days after 1st application, DAB: days after 2nd application



Efficacy (Greenhouse)-2

Rose/Yellow spider mite/Miyagi, Japan



Region/county/state/Country: Miyagi, Japan
 Crop: Rose (cv. Bordeaux)
 Target pest: yellow spider mite (*Tetranychus urticae*)
 Number of application: 2
 Application interval: 7 day

Application volume: 321 Gal/Acre
 Infestation pressure: High

DAA: days after 1st application, DAB: days after 2nd application

