



Arkansas Fruit and Nut News Volume 6, Issue 7, 14 July 2016

Special Alert

New: 2(ee) Recommendation for Agri-Mek SC against broad mite on blackberry ([pdf](#)) dated: July 6, 2016:

Product: Agri-Mek® SC Miticide/Insecticide
EPA Reg. No. 100-1351
Use: For Control of Broad Mite in Caneberry
State: AR, FL, IL, IN, NC, PA, SC

Excerpt from 2(ee) recommendation):

Agri-Mek SC Miticide/Insecticide will provide control of broad mite when applied at the rate of 3.5 fl oz/A.

To avoid illegal residues Agri-Mek SC Miticide/Insecticide must be mixed with a non-ionic activator type wetting, spreading and/or penetrating spray adjuvant. Do not use binder sticker type adjuvants.

Use sufficient water volume and spray pressure to ensure thorough coverage of the foliage. Spray contact to these pests and good coverage is very important in making these applications successful.

Apply when broad mites are first observed and repeat application, as needed, to maintain control within constraints of a sound resistance management program. However, do not apply more than the maximum amount per application or maximum amount per year.

Agri-Mek SC Supplemental label ([pdf](#))

Broad Mite Pest Alert

Dr. Donn T. Johnson - Fruit Research/Extension

Broad Mite: Foliar damage is quickly becoming more prevalent in primocane-fruiting blackberry plants in Arkansas. This mite is killing terminals and may start killing new laterals (**Fig. 1**). See more details on broad mites in the Arkansas Fruit and Nut News Issue 1 (April 25, 2016) ([pdf](#)).

Scout: Weekly, use a 20X magnification lens to check for presence of broad mites (**Fig. 2**). Inspect the underside of a leaflet from the first expanded terminal leaf on several primocane-fruiting canes. You can also walk your blackberry field looking for the first damage to terminals (**Fig. 1**). It is time to apply a miticide when there averages more than one broad mite per leaflet or terminal damage is observed.

In this Issue:

New – Agri-Mek SC Section 2(ee) recommendation 1
Fruit Pest Alert 1
• Broad mite causing terminal leaf cupping 1

Control: See new 2(ee) recommendation for Agri-Mek SC for broad mite on caneberries. Our research in Arkansas indicates that one application may not provide control so it is recommended to reapply Agri-Mek SC 7 days later to kill any mites that hatched after the first application.



Figure 1. Broad mite damaged terminal leaves (cupped and bronzing) of PrimeArk45® primocane-fruited blackberry in Arkansas on 7 July 2016 (Photos: D. Johnson)

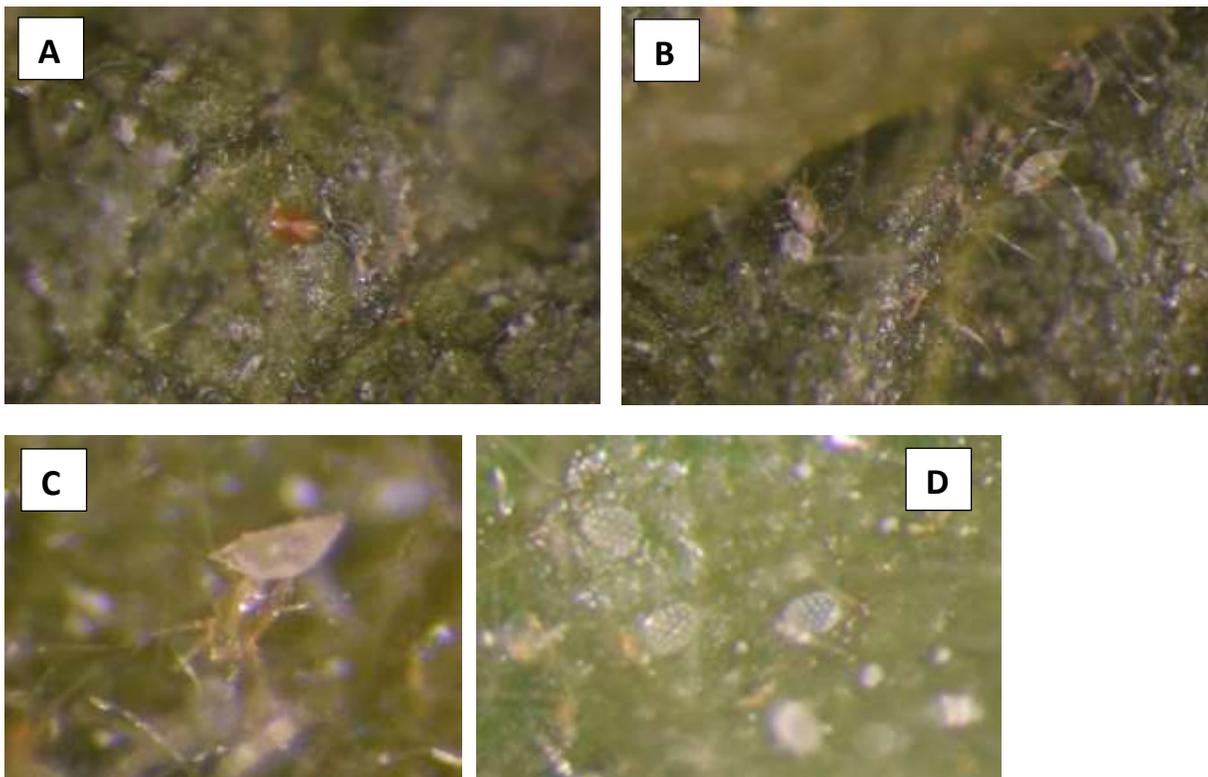


Figure 2. Broad mites: (A) amber colored adult female with white hour glass design on back, (B) lighter amber colored male just above a white immature and to left of white, spindle-shaped resting deutonymph, (C) male holding a deutonymph on back before mating, and (D) white, spotted eggs. These were all observed on blackberry in Arkansas (Photos: D. Johnson)

Much of the information obtained for this newsletter was gathered by the authors at the University of Arkansas-Fayetteville. All chemical information is given with the understanding that no endorsement of named products is intended nor is criticism implied of similar products that are not mentioned. Before purchasing or using any pesticide, always read and carefully follow the directions on the container label. Compiled by: Donn T. Johnson, University of Arkansas, Department of Entomology, E-mail: dtjohnso@uark.edu

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