

Message

From: TRAVERS, JEFF N [AG/1005] [/O=MONSANTO/OU=NA-1000-01/CN=RECIPIENTS/CN=JNTRAV]
Sent: 2/9/2016 9:13:24 AM
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Subject: Knowledge Transfer_VaporGrip.pptx
Attachments: Knowledge Transfer_VaporGrip.pptx

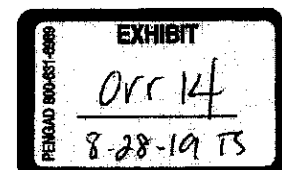
All: we don't know how long a sensitive plant needs in a natural setting to show volatility damage. We don't know what concentration in the air causes a response, either.

There is a big difference for plants exposed to dicamba vapor for 24 vs. 48 hours.

Be careful using this externally.

The photos are ok to use, but the data has not been shared too broadly for the treatments including glyphosate.

Jeff



VaporGrip Doesn't Mean Zero Volatility

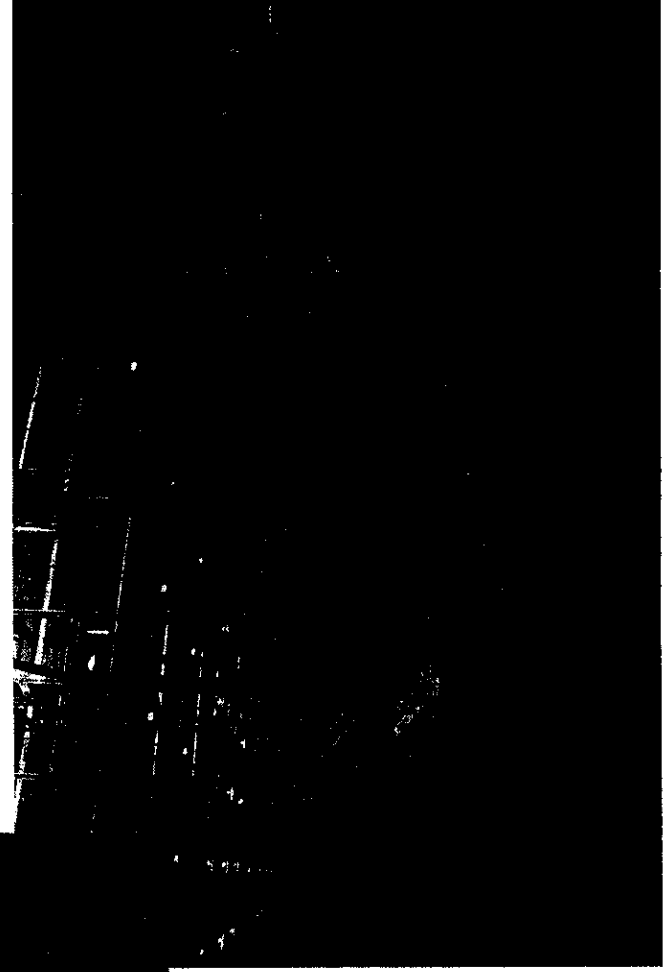
Recently, Alison and John used the “Super Domes” to test volatility of MON 78632 on soybeans, with exposure times of 24 and 48 hours.

In this study, soybeans showed a statistically greater response to dicamba when exposed for 48 hours vs. 24 hours.

SuperDome Hoop House Studies



32 plants placed in each hoop house. Flat containing 10 sprayed petri dishes placed in the middle of the hoop house. Dishes sprayed with 1.0 lb ae/A dicamba equivalent.



Hoop houses covered with plastic, sealed with binder clips. After desired exposure time plastic removed, plants removed and observed for injury response 14 DAT

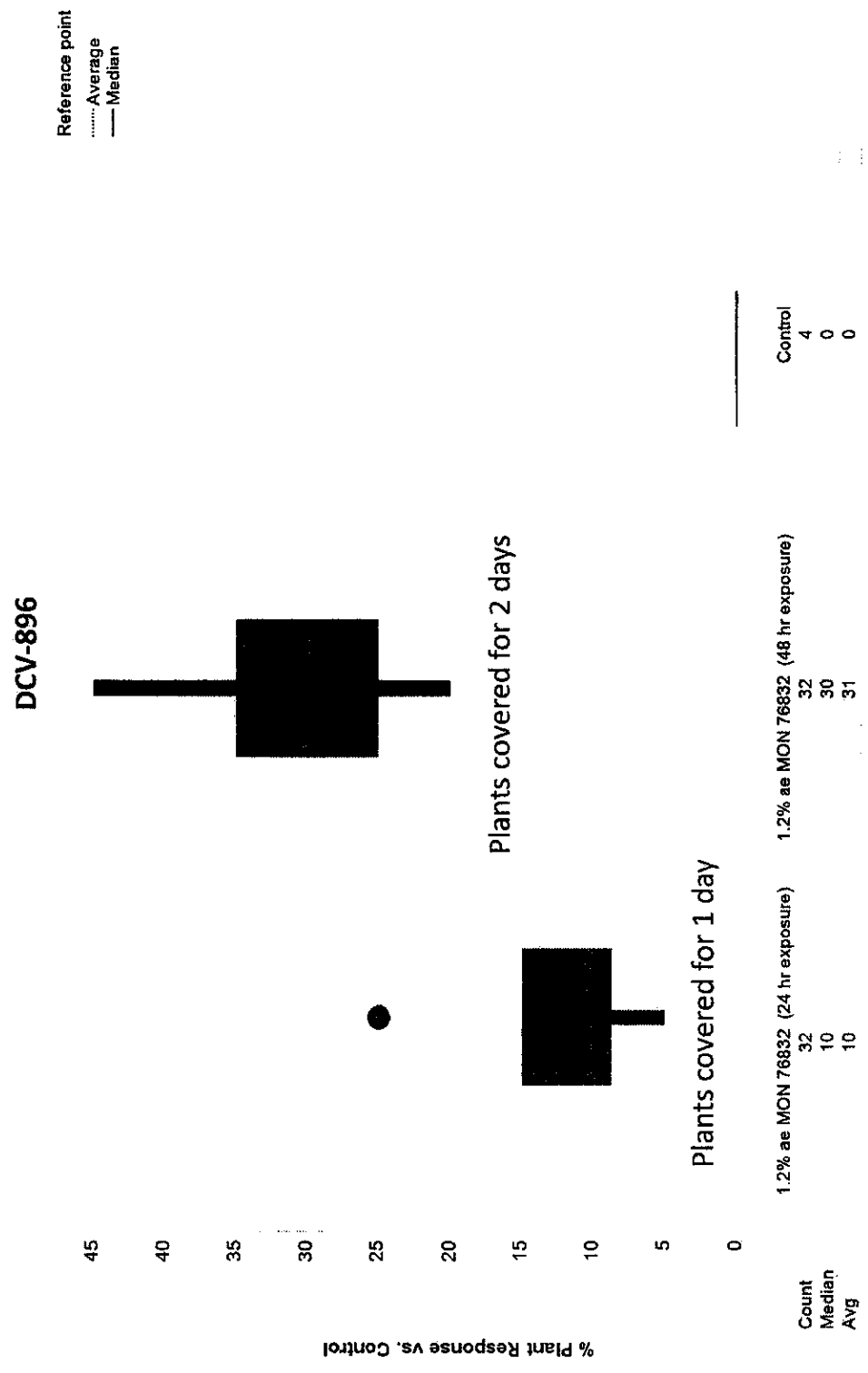
MON 76832, 24 vs. 48 hr exposure



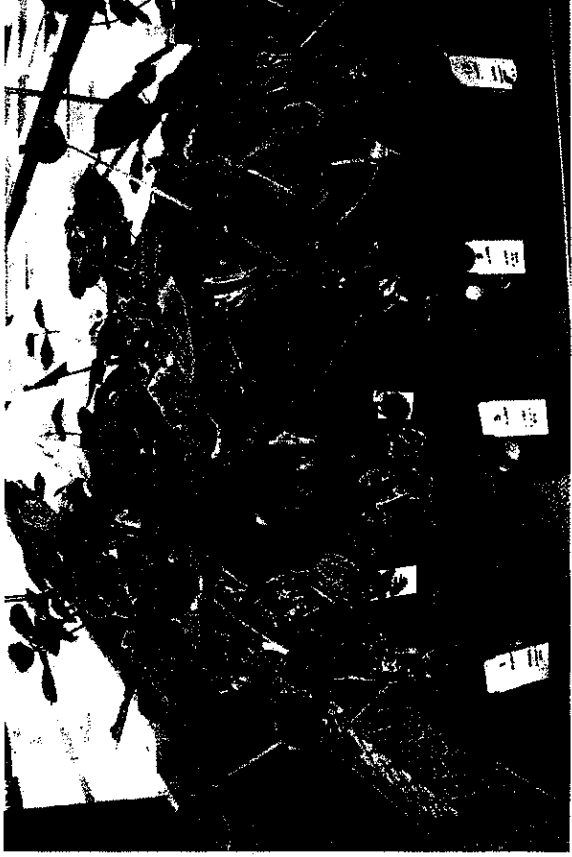
48 hour exposure 24 hour exposure control

Soybean Response (% visual malformation) to Sprayed Petri Dishes in Hoop Houses- 14 DAT

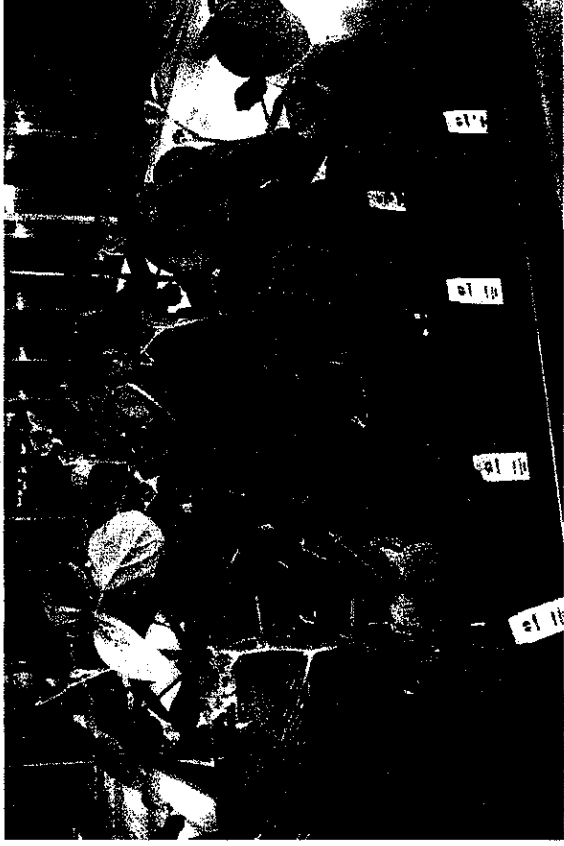
N=32



Banvel vs. MON 119096



35% injury response



3% injury response

24 hours of exposure in the SuperDome