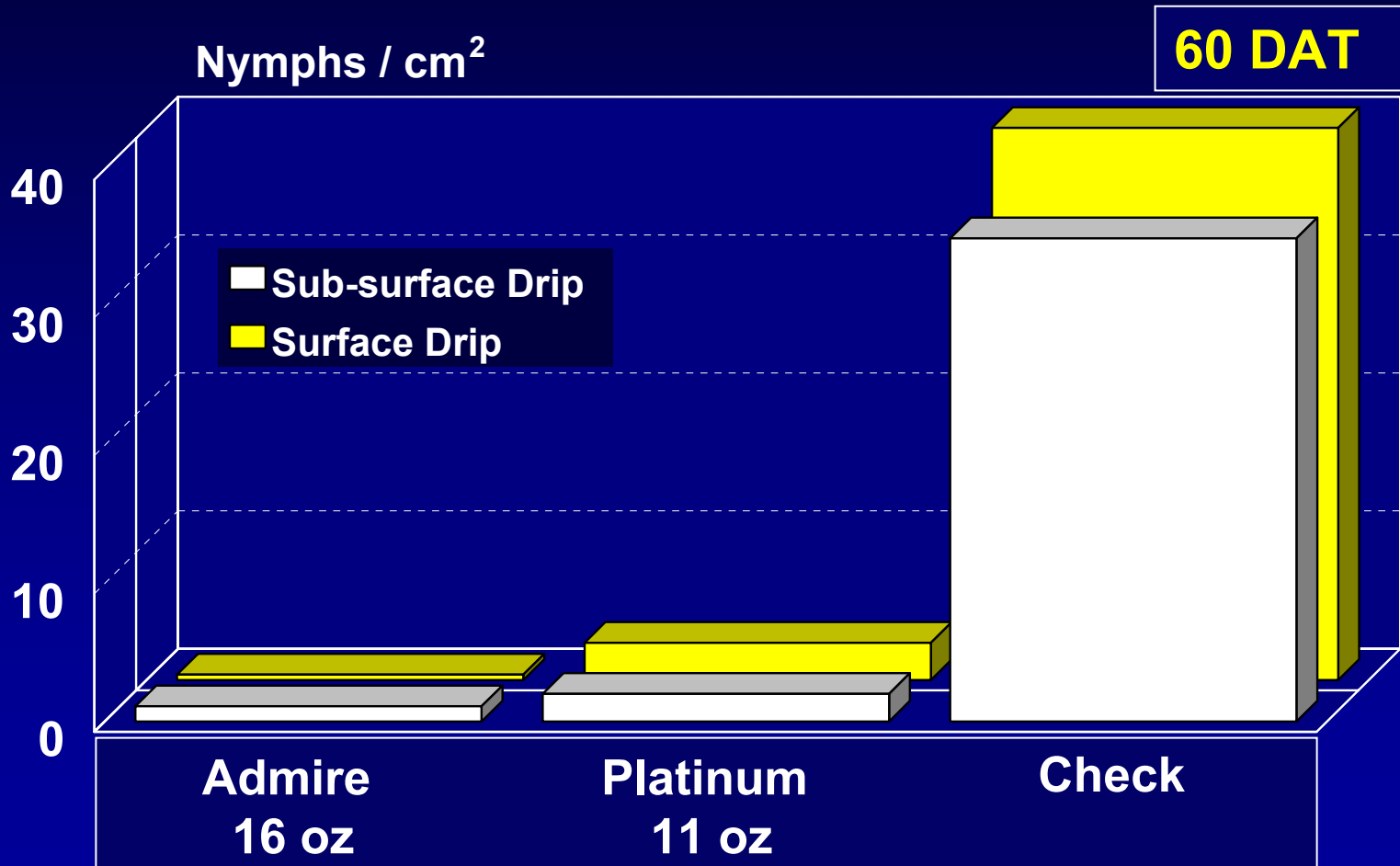


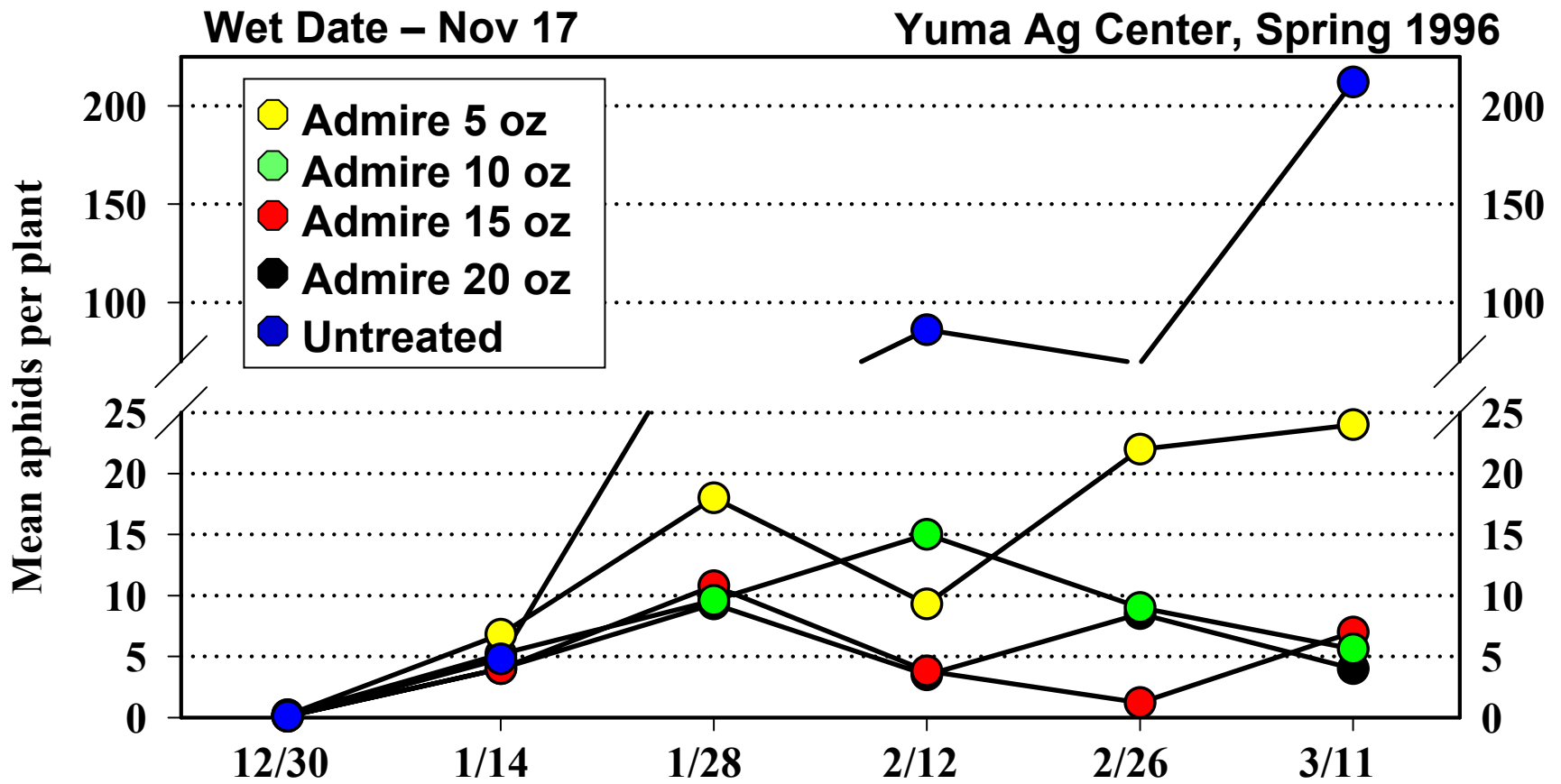
Influence of Drip Irrigation on Imidicloprid Efficacy & Whitefly Control

Yuma, AZ - June 4, 2001





Green Peach Aphid Control with Admire in Lettuce via Drip Chemigation

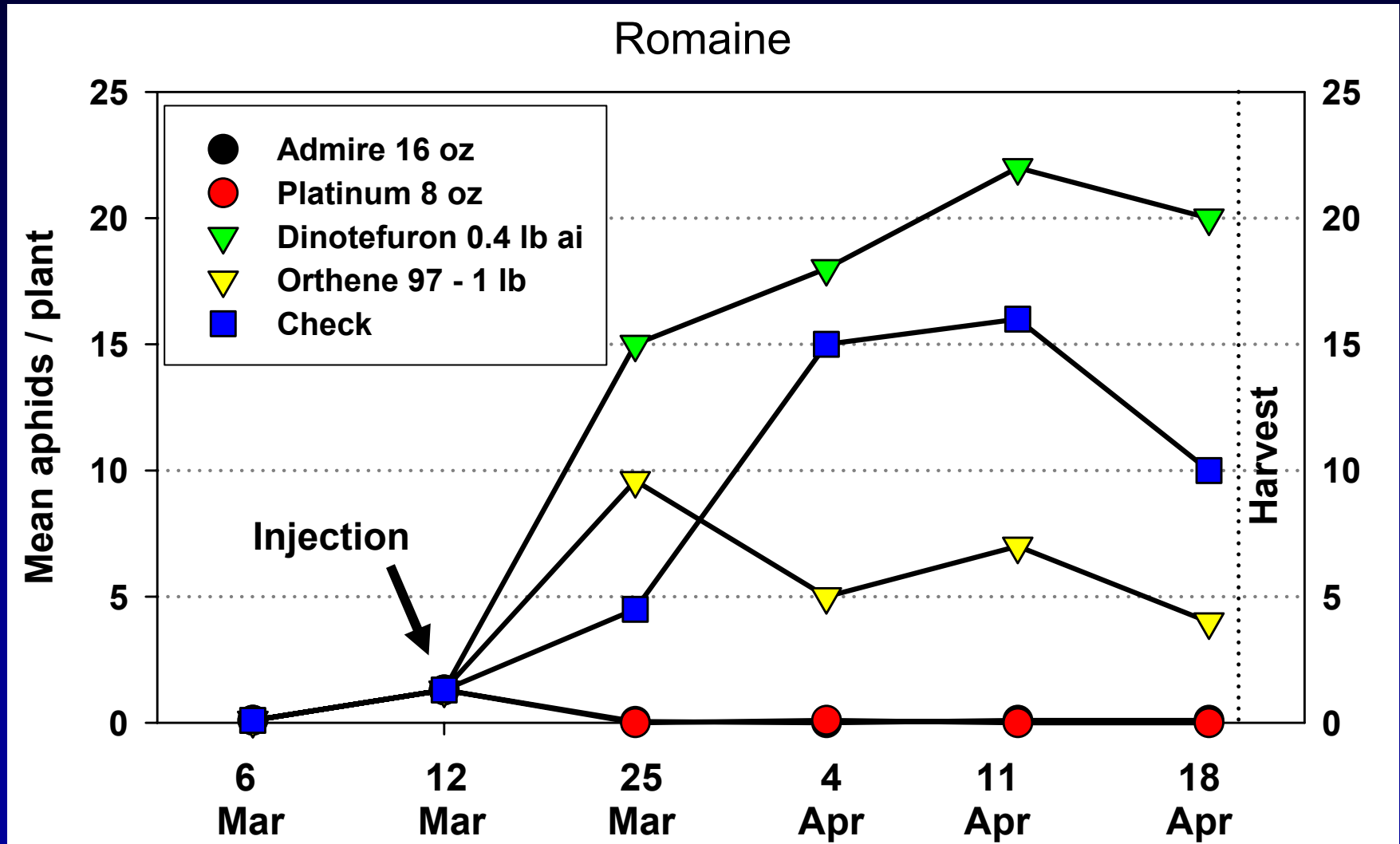




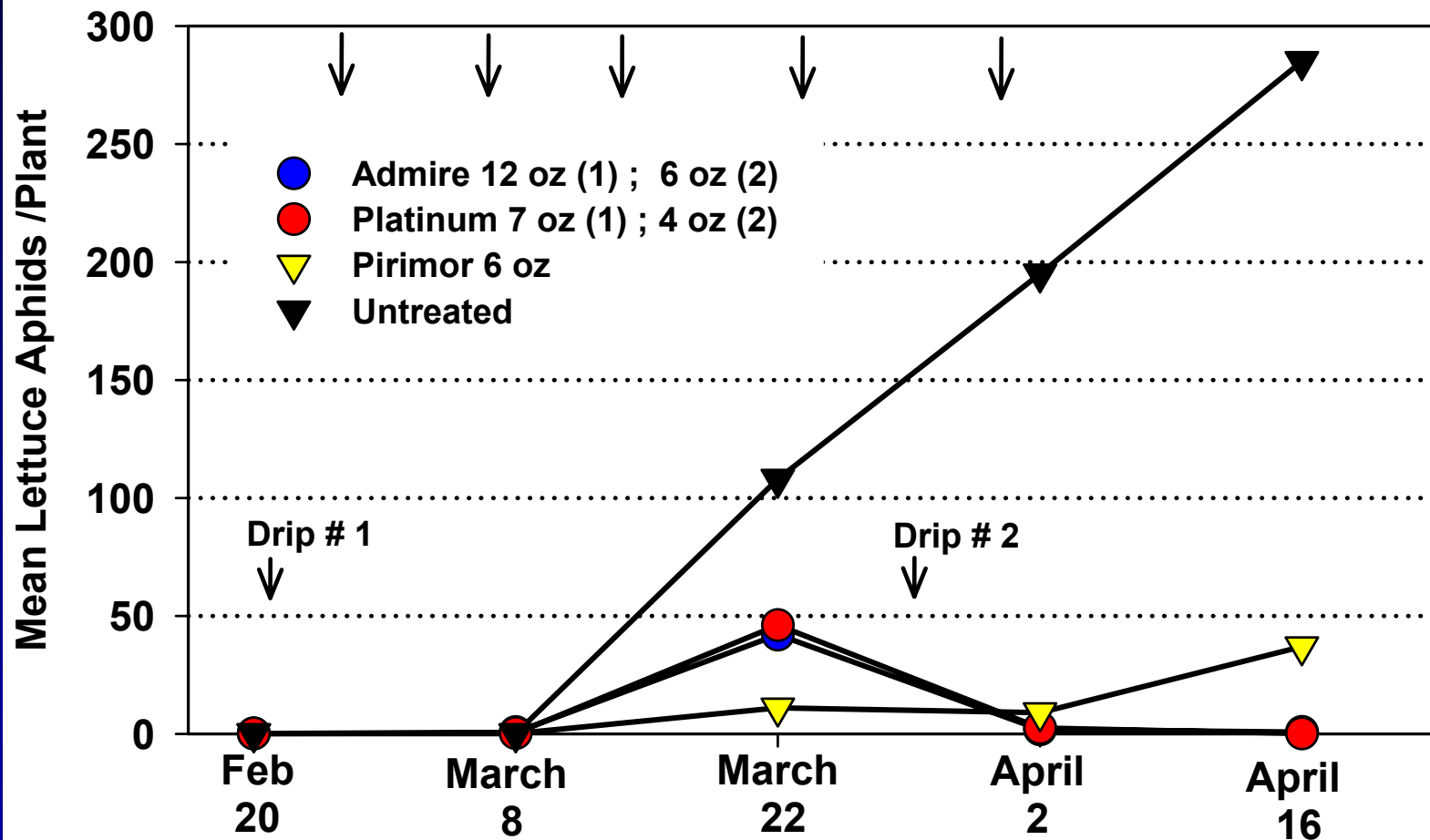
**Lettuce Aphid
Efficacy In
Drip Irrigated
Romaine**



Lettuce Aphid Efficacy on Drip Romaine Lettuce – Spring 2002



Lettuce Aphid Efficacy on Drip Romaine Lettuce – Spring 2001



Uniform Chemigation is Critical for Effective Insect Management

-You need to have the injection period be long enough to move the chemical through the entire drip system

AND

-You need to have a post-injection period of clean irrigation water.

Insect Management in Drip Irrigation



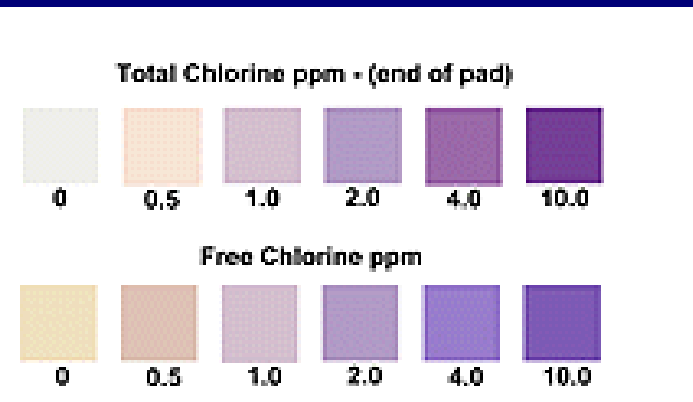
Uniform Chemigation:

The **injection period** should be at least as long as it takes water / chemical to move from the head to tail-end of the drip system. Twice as long is better.

The **post-injection**, clean water irrigation period should be at least as long as it takes water / chemical to move from the head to tail-end of the drip system. Twice as long is definitely better.

Insect Management in Drip Irrigation

- The easiest way to determine travel times of chemicals (and water) through a drip system:



- » Inject chlorine (at about 10 - 20 ppm) into the system and follow its movement through the drip system.
- » It is easy to spot when chlorine reaches any point by testing the water with a pool/spa test kit.

Timing of Admire / Platinum Application



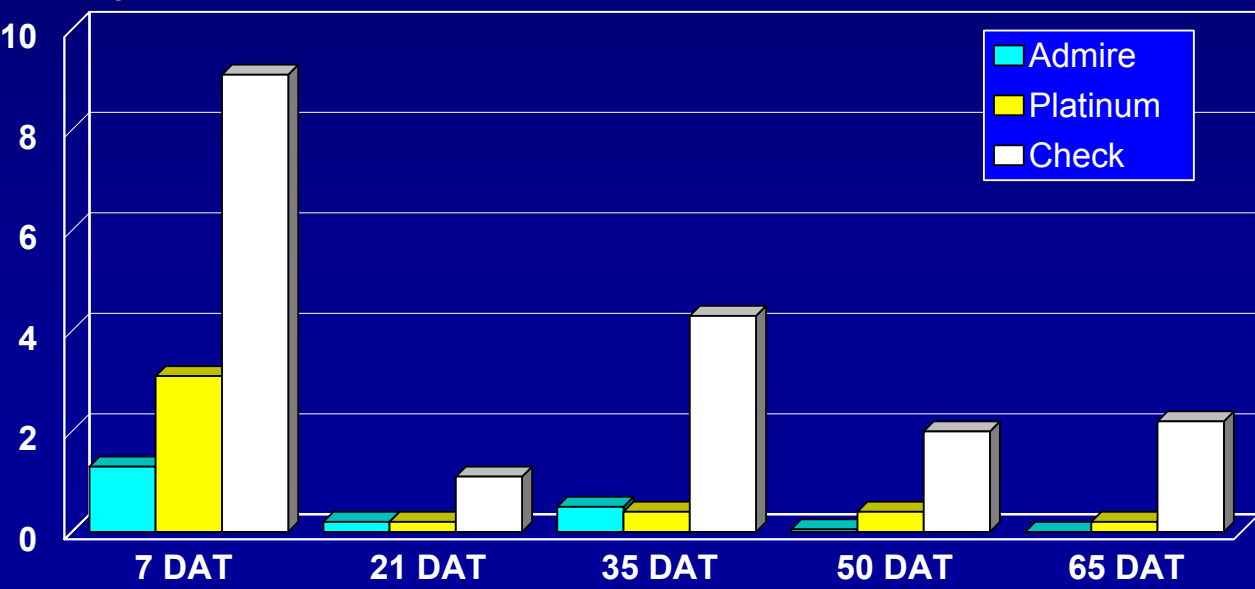


Fall Melon Trial

Brown Ranch

Somerton, AZ
Fall 2002

Nymphs / cm



* Admire 16 oz

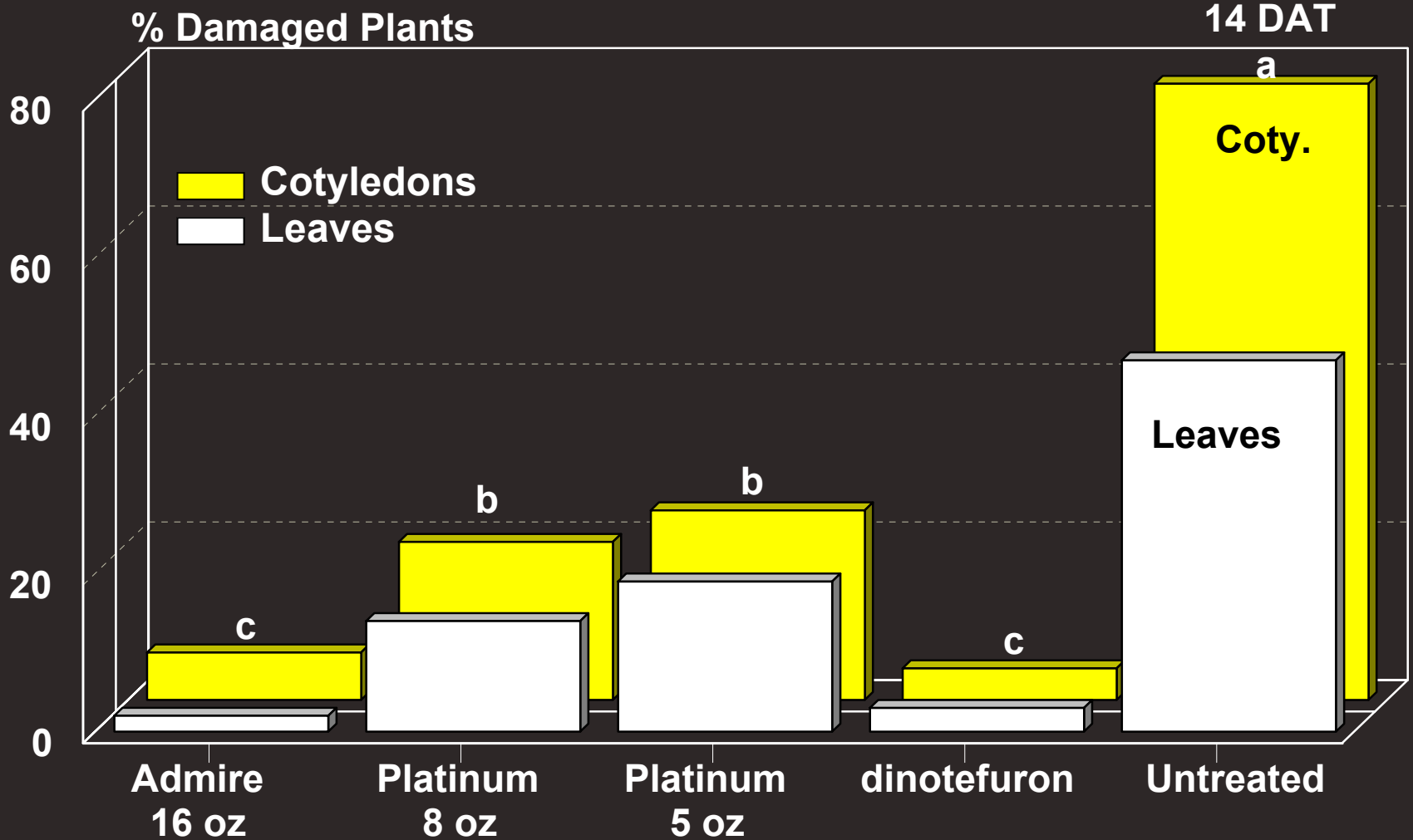
* Platinum 8 oz

Neonicotinoids For Flea Beetle Control



Flea Beetle Control on Melons

Fall 2001 - Furrow Irrigated



Flea Beetle Control on Melons

Fall 2022 – Drip Irrigated

