



NICHINO AMERICA, INC.

David King

Technical Sales Representative

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302-528-2016



NICHINO AMERICA, INC.

- Pyrafluquinazon – insecticide
 - ❑ IRAC 9B
 - ❑ 1.87 lbs/gallon

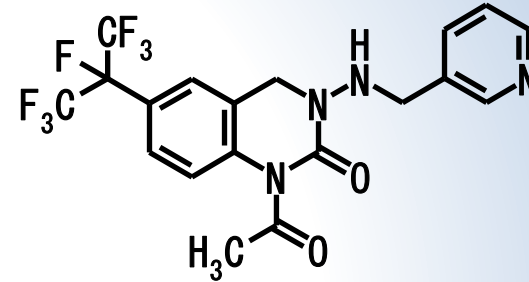
POZ[®]
INSECTICIDE



Introduction

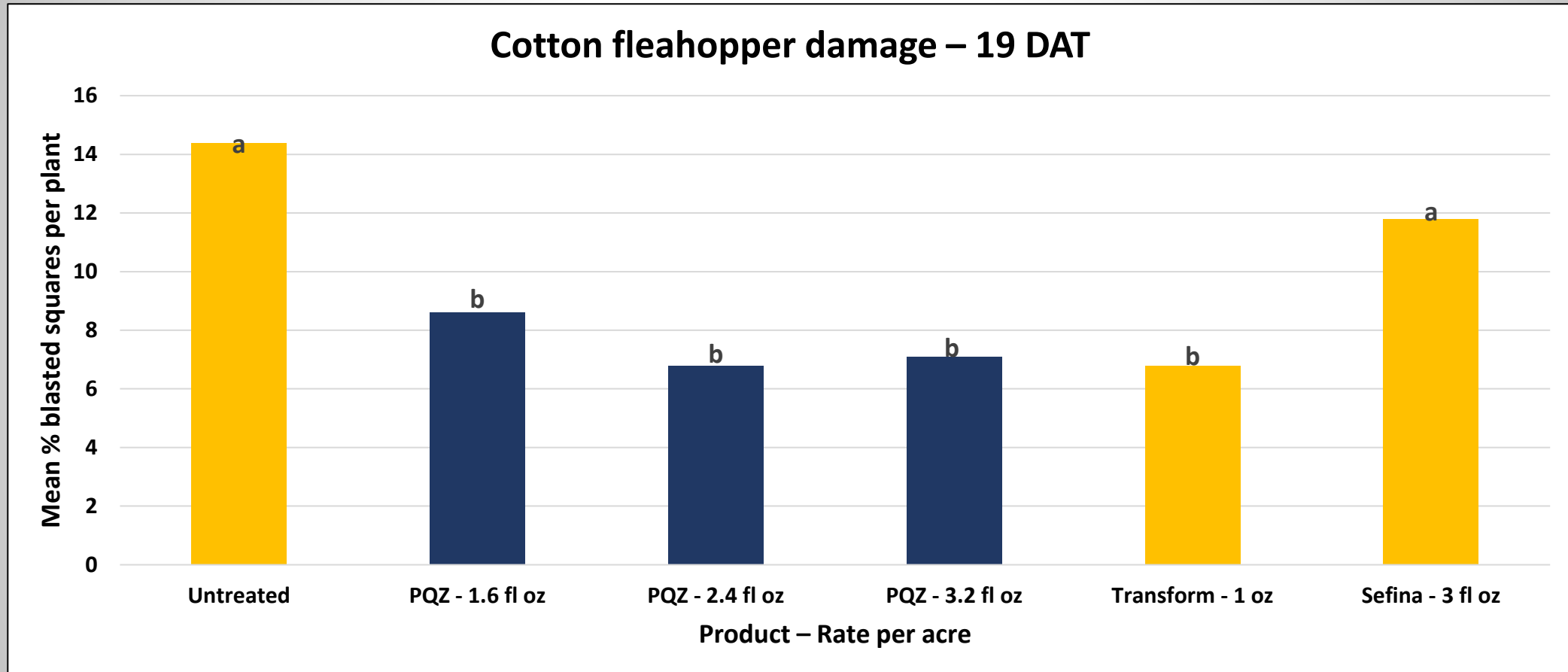
- **Active Ingredient:** Pyrifluquinazon

- Nihon Noyaku (Japan)
- Nichino America (USA)



- **Initial EPA registration** for use in ornamental crops in 2014 in USA
- **EPA Registration for Food Use : February 2019**
- **Aerial label in August 2020**

PQZ – cotton fleahopper



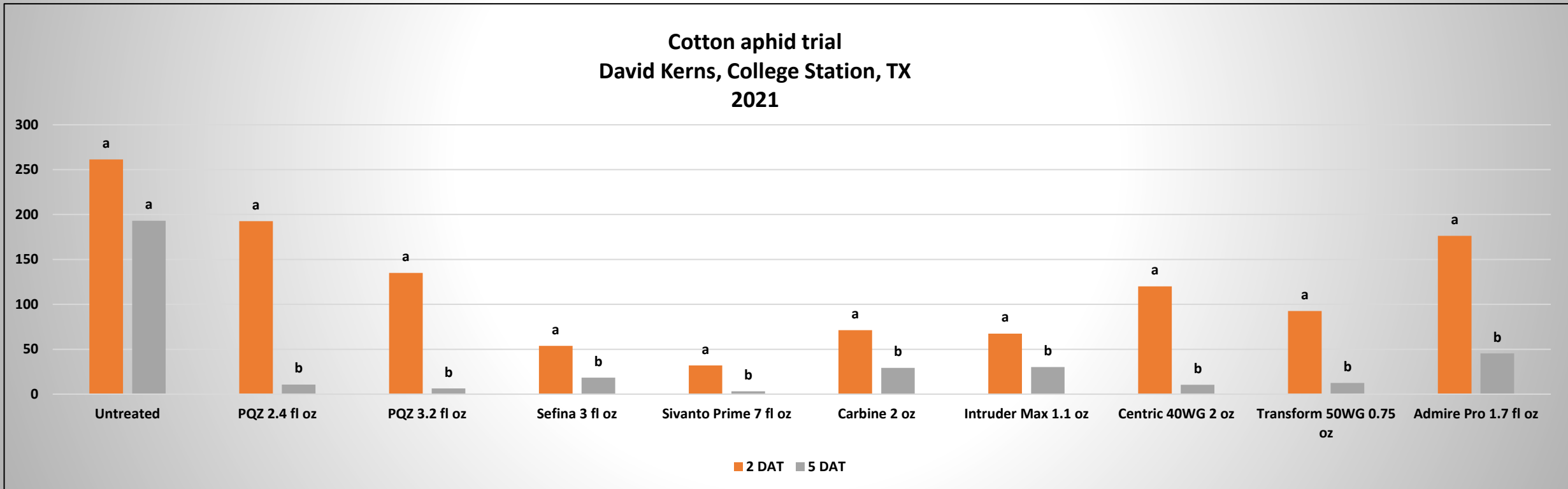
All treatments + 0.25% Dyne-Amic
2020

Holly Davis and Danielle Sekula
Texas A&M AgriLife Extension
Weslaco, TX

Means within a column followed by the same letter are not significantly different ($P>0.05$; PROC ANOVA; Mean comparison by LSD [SAS 9.4]).

PQZ – cotton aphid

- PQZ stops feeding immediately
- PQZ essentially starves insects to death
- Target insect may still be there for 1-3 DAT, but they are not feeding
- Time to death largely depends on fat reserves





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- flutianil –powdery mildew
 - FRAC U13
 - Quarts

6-8 oz/a

Apples

Berry Low Growing (13-07G)

Cherry

Hops

Melon 9A, Squash/Cucumber 9B

6.4 oz/a

Small Fruiting Vine Climbing(3-07F)

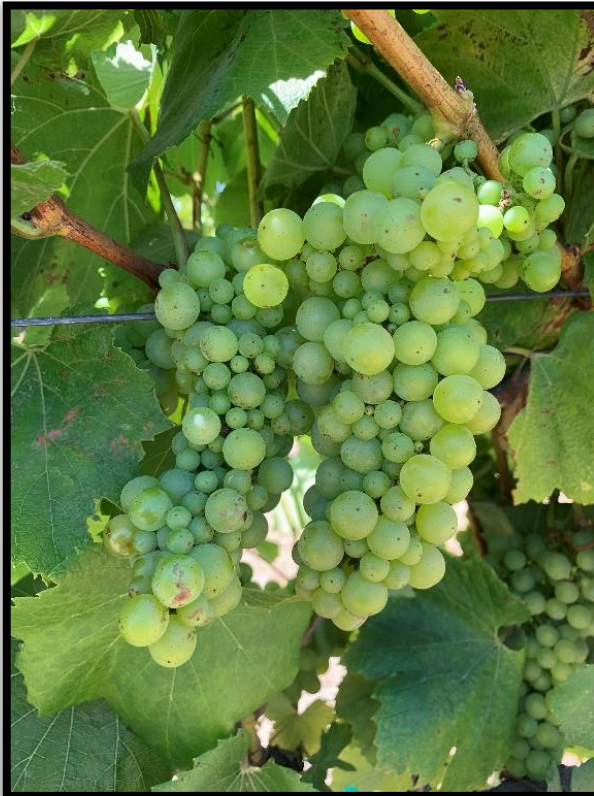
Grapes

Gatten – Powdery mildew

Untreated



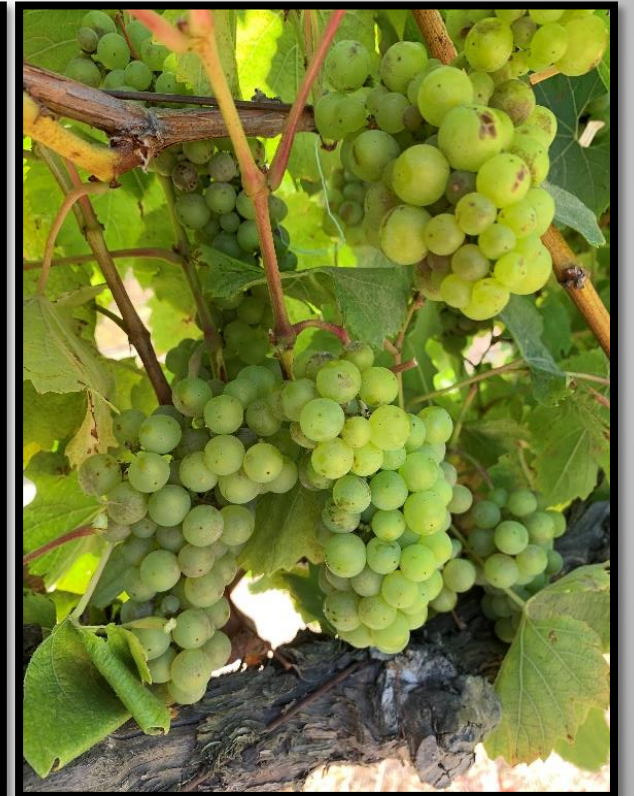
Gatten



Luna Sensation



Rally/Quintec/Luna Experience





NICHINO AMERICA, INC.



- Tolfenpyrad –
- Broad spectrum insect control
- downey and powdery mildew
 - FRAC 39
 - IRAC 21A



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- Tofenpyrad –

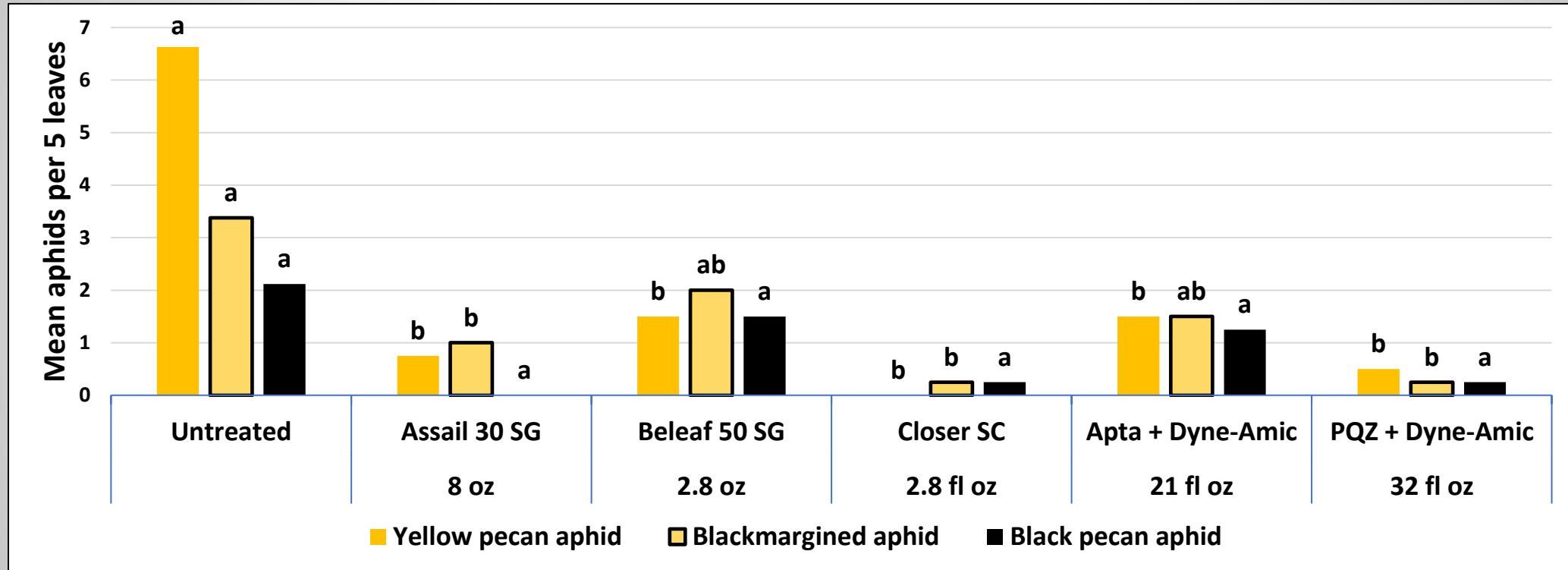
- FRAC 39

- IRAC 21A

Apta in citrus provides fast, broad spectrum control of thrips, aphids, mites and scales.

- Effective on all stages of:
 - Thrips (21 fl oz)
 - Aphids (17-21 fl oz)
 - Scale – (24-27 oz)
 - Psyllids – (14 fl oz)
- Broad-spectrum control
 - Powdery mildew
 - Downey mildew
 - Flea beetles
 - Leafhoppers
 - Mites – Red Mites, Texas mites, Citrus Rust mites
 - Mealy bugs
 - Scale - Barnacle scale and others
 - Psyllids - Asian Citrus Psyllid

pecan aphid



*Means within an aphid species with the same letter are not significantly different (Student-Newman-Keuls, P>0.05).



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INSECTICIDE

- Tofenpyrad –

- FRAC 39

- IRAC 21A

Brassica head and stem vegetables

Brassica leafy greens

Bulb vegetables

Cucurbit vegetables

Fruiting vegetables

Leafy greens subgroup

Leaf petiole vegetables

Tuberous and corm vegetables

- Broad Spectrum

- Insecticide, IRAC-21A

- Thrips** (21 fl oz)

- Aphids** (17-21 fl oz) excluding lettuce aphid

- Flea beetles

- Leafhopper

- Colorado Potato Beetle

- Pepper weevil

- psyllids

- Diamondback moth**

- Lepidoptera suppression

- Fungicide, FRAC 39

- Downey mildew

- Powdery mildew



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HERBICIDE/DEFOLIANT

Pyraflufen-ethyl, Group 14

- Herbicide

- Fall and Spring burndown (1-2.0 fl oz/a)
 - Start clean
 - Conserve planting moisture
- Volunteer Cotton Control (1.5 fl oz/a)
 - Excellent control of seedling cotton
- Defoliation (1.5-2.75 fl oz/a)
 - Preconditioning (0.3-0.75 fl oz/a)



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HERBICIDE/DEFOLIANT

Pyraflufen-ethyl, Group 14

- Defoliation (0.9-1.7 fl oz/a)
- Preconditioning (0.3-0.75 fl oz/a)



Green petioles with an abscission layer



PORTAL[®]

MITICIDE/INSECTICIDE

Active Ingredient:	Fenpyroximate
Formulation:	5.0% EC
Active Ingredient Per Gallon:	0.4 lbs a.i./gallon
Signal Word:	Warning (Reduced Risk)
Chemical Family:	METI Site 1
Insecticide Classification Group:	21A
Degradation:	Primarily photo
Activity	Contact

NICHINO
AMERICA[®]



PORTAL[®]

MITICIDE/INSECTICIDE

*Honey Bees – Never apply directly to bees
Portal may be applied to all labeled crops at anytime.
Portal is practically nontoxic to bees and wasps
when used according to label directions. Thus Portal
can be used during the bloom period.*



NICHINO
AMERICA[®]

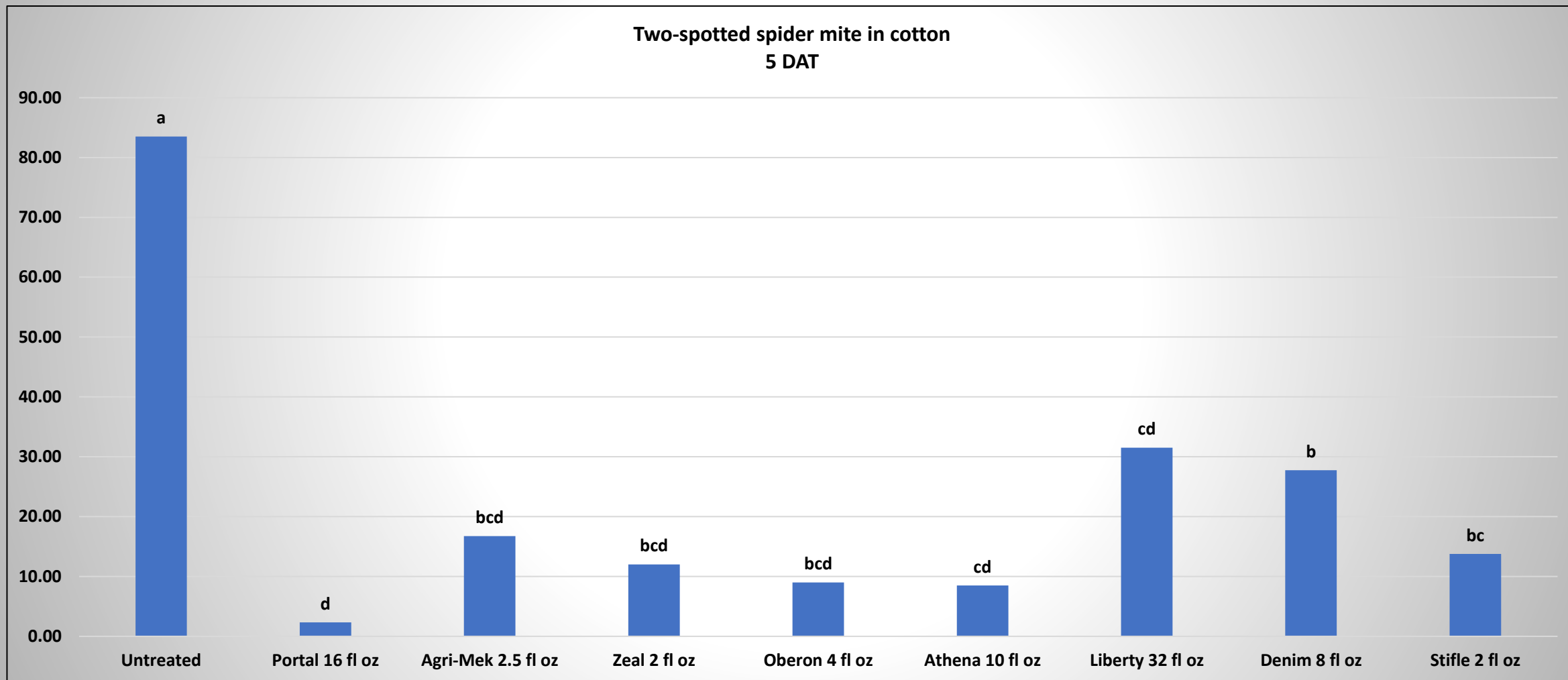




Melon Crop Subgroup 9A	3 day PHI
Mint	1 day PHI
Citrus Crop Group	3 day PHI
Cotton	14 day PHI
Watermelon	3 day PHI
Fruiting Vegetable Crop Group 8	1 day PHI
Cucumber	1 day PHI
Grapes	14 day PHI
Pome Fruit	14 day PHI
Tree Nuts (excluding almonds & pistachios) Pecans	14 day PHI
Berries	1 day PHI
Snap Beans	1 day PHI
Avocado, Black Sapote, Canistel, Mamey Sapote, Mango, Papaya, Sapodilla, Star Apple	1 day PHI
Peanuts	1 day PHI



Portal – spider mites in cotton



Current Active Ingredients -herbicides



- Pyraflufin-ethyl – herbicide/defoliant
 - WSSA 14
- Orthosulfamuron – rice herbicide
 - WSSA 2
 - Mixtures
 - Halosulfuron, WSSA 2
 - ~~Quinclorac, WSSA 4~~

Current Active Ingredients -insecticides



- Buprofezen - insect growth regulator

- IRAC – 16



- Fenpyximate – insecticide/miticide

- IRAC 21A



- Tolfenpyrad – insecticide

- IRAC – 21A

- FRAC - 39



- Pyrafluquinazon – insecticide

- IRAC 9B



Current Active Ingredients -fungicides



- Flutolanil – rhizoctonia (sheath blight) and southern blight (white mold)

- FRAC 7

- Mixtures

- ~~Propiconazole, FRAC 3~~
 - Flutriafol, FRAC 3



- Flutianil –powdery mildew

- FRAC U13

- Tolfenpyrad – downey and powdery mildew

- FRAC 39



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Thank you