

What Am I Doing Here? Vegetables? · Dispersal?



Ellsworth/UA

Bemisia tabaci, Biotype B

. 33 µg



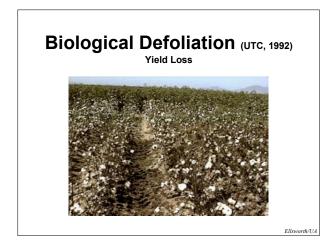
- > 600 hosts
- Mobile adult form
- Introduced to U.S. in late 1980's and AZ in early 1990's
- Reduces yields, contaminates with honeydew & vectors viruses Ellsworth/UA

Dispersal and IPM · Description of System Damage potential & economic impact - Intercrop interactions Bemisia movement IPM System - Impact of dispersal - Cross-commodity management



Ellsworth/UA



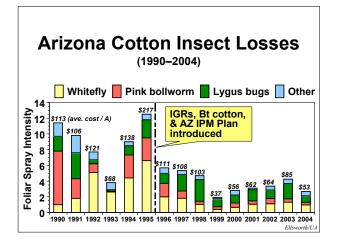


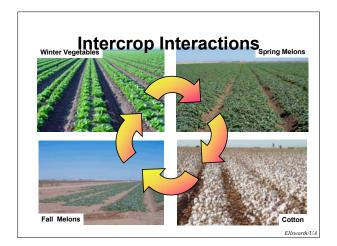


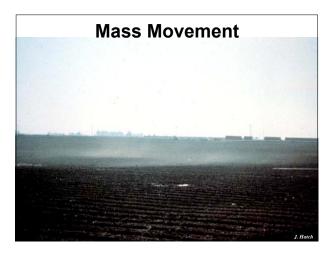














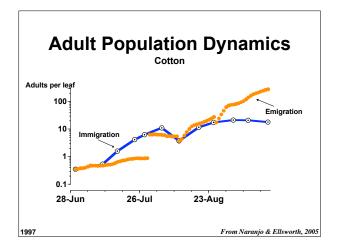


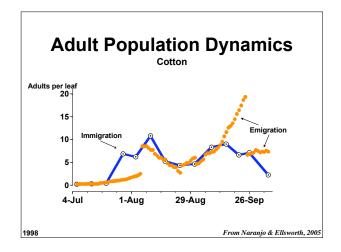


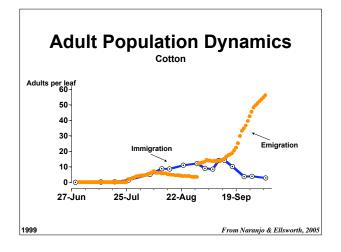
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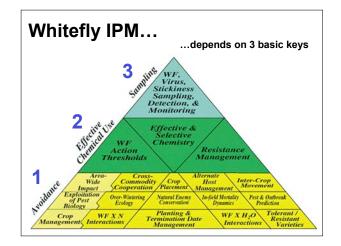


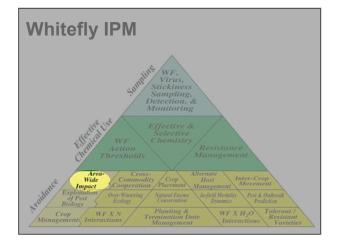
Bimodal distribution with majority near source ("trivial" flyers) & some at ca. 2.2 km ("migrators")

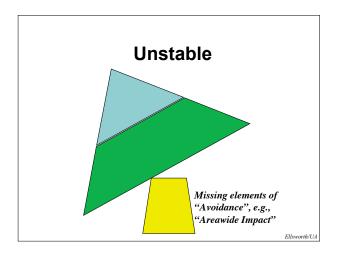


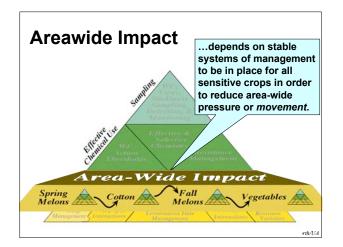


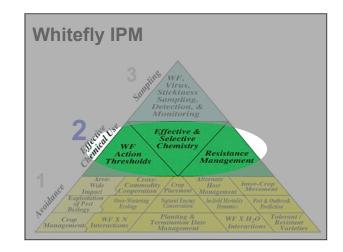


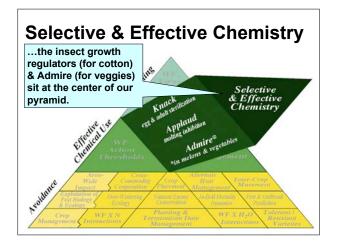


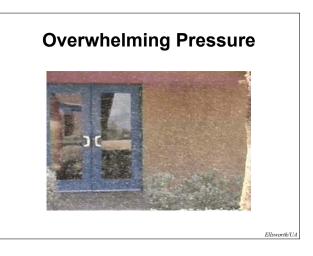


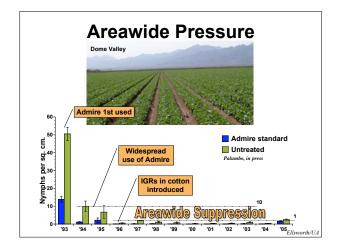


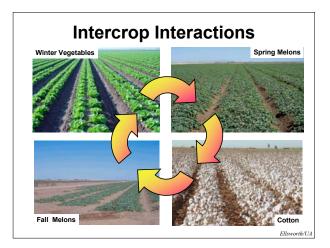


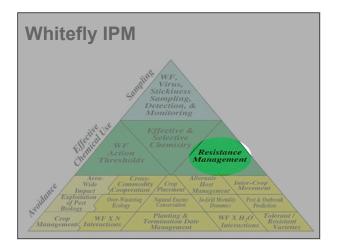


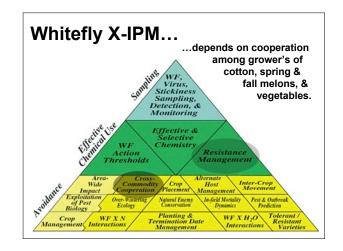










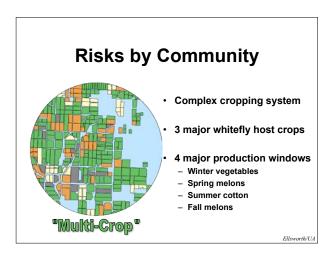


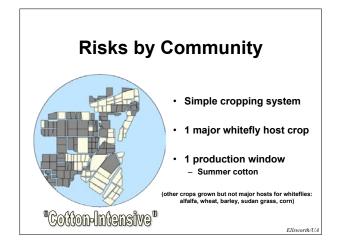
A.I.	Product	Application	Crops Uses
Acetamiprid	Assail	Foliar	Lettuce, Cole
Acetamiprid	Intruder	Foliar	Cotton
Dinotefuran	Venom	Foliar, Soil	All
Imidacloprid	Admire, etc.	Soil	Melons, Lettuce, Cole
Imidacloprid	Gaucho, etc.	Seed	Cotton
Imidacloprid	Provado, etc.	Foliar	Lettuce, Cole (Cotton
Thiamethoxam	Centric	Foliar	Cotton
Thiamethoxam	Cruiser	Seed	Cotton
Thiamethoxam	Platinum	Soil	Melons

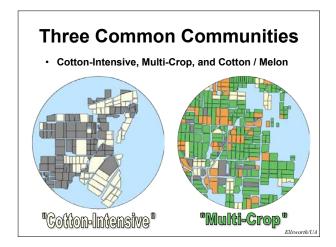
Neonicotinoids:	A Major	Class
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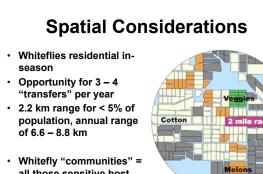
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Clothianidin	Clutch/Poncho	various	?
Thiacloprid	Calypso	Foliar	?
			Ellsworth/



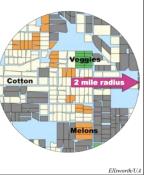


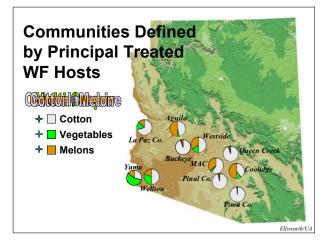


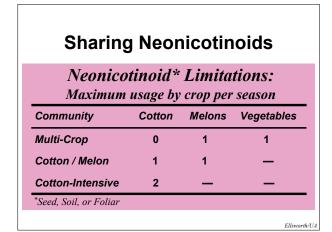


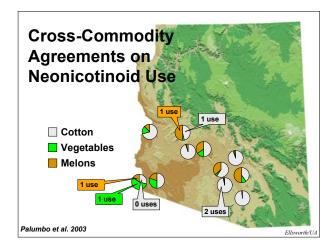


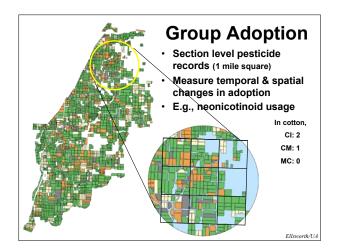
all those sensitive host crops grown within a 2mile radius annually











Dispersal & Mgt. of Bemisia While ostensibly a sedentary insect through most of its life cycle, whiteflies can and do effectively move through our agroecosystem. Careful consideration of the consequences of this movement by stakeholders and researchers has led to the development of a refined IPM strategy. These refinements consider the spatial risks (e.g., for outbreak conditions & for resistance) and should help sustain cross-commodity management of this pest areawide.

