

LOCAL WORK GROUP MEETING
9:00 A.M.
USDA NRCS KAHULUI FIELD OFFICE

Present

Ranae Ganske-Cerizo	USDA NRCS
Doug MacCluer	Central Maui SWCD/Maui Pineapple Company
Mae Nakahata	Central Maui SWCD/HC&S
Robin Shimabuku	Olinda-Kula SWCD/UH Cooperative Extension Service
Malia Santos	UH Maui College
Diana Crow	Ulupalakua Ranch

- I. Maui Resource Concerns by Landuse
 - A. Cropland
 1. Invasive Species (insects)
 2. Insufficient Water Supply
 3. Sediment and Erosion
 4. Noxious Weeds
 5. At Risk Species
 - B. Grazing
 1. Noxious Weeds
 2. Insufficient Water Supply
 3. At Risk Species
 4. Sediment and Erosion
 5. Invasive Species
 - C. Livestock Operators
 1. Animal Waste (AFO – CAFO)
- II. Conventional Cropland/Nursery – DOA List & Maui Priority Noxious Weeds and Insects
 - A. Cropland
 1. Noxious Weeds
 - a. Fuji Grass, *Galisoga parviflora*
 - b. Cheese Weed, *Malva parviflora*
 - c. Spanish Needle, *Bidens pilosa*
 - d. Glycine, *Glycine wightii*

- e. Russian Thistle, tumbleweed, *Salsola kali* L.
- f. Napier Grass, *Pennisetum purpureum*
- g. Star Thistle, *Centaurea solstitialis* L.
- h. Amaranth, no thorns, *Amaranthus retroflexus*

2. Insects

- a. Little Fire Ants
- b. Diamond Back Moth
- c. Western Flower Thrip (vector for spotted wilt virus, effects a variety of vegetables such as tomatoes, leafy vegetables)
- d. Aphids – Yellow Mosaic Virus
- e. Aphid Mealy Bugs
- f. Avocado Thrips
- g. Nettle caterpillars
- h. Chinese Rose Beetle
- i. Onion thrips – Insecticide
- j. Nematodes – control choices
- k. Christmas Berries

B. Orchard

- 1. Fruit Piercing Moth

III. Pasture/Rangeland – DOA List & Maui Priority Noxious Weeds

A. Noxious Weeds

- 1. Fireweed, *Epilobium angustifolium*
- 2. Russian Thistle, tumbleweed, *Salsola kali* L.
- 3. Gorse, *Ulex europaeus* L.
- 4. African Tuliptree, *Spathodea campanulata* P. Beauv.
- 5. Mysore raspberry, *Rubus niveus*, Thunb..
- 6. Black Wattle, *Acaia mearnsii*, Dewild
- 7. Australian Tree Fern, *Sphaeropteris cooperi*
- 8. Star Thistle, *Centaurea solstitialis* L.
- 9. Fountain Grass, *Pennisetum setaceum*
- 10. Lions Ear, *Leonotis nepetifolia*
- 11. Santa Maria, *Parthenium hysterophorus* L.
- 12. Christmas Berry, *Schinus terebinthifolius* Raddi
- 13. Barbwire Grass, *Cymbopogon refractus* (R. Br.) A. Camus

B. Insects

- 1. Yellow sugarcane aphid

IV. Threats to At Risk Species

- A. Wasp (Blackburn Sphinx Moth)
- B. Argentine Ants
- C. Pigs, Deer, Goats
- D. Chinese Rose beetle
- E. Little Fire Ants
- F. Jackson Chameleons (eat pollinators)

V. Organic Cropland/Orchard, DOA List and Maui Priority Noxious Weeds and Insects

A. Noxious Weeds

1. Fuji Grass, *Galisoga parviflora*
2. Cheese weed, *Malva parviflora*
3. Spanish Needle, *Bidens pilosa*
4. Glycine, *Glycine wightii*
5. Russian Thistle, tumbleweed, *Salsola kali* L.
6. Spiny Amaranth, pigweed, *Amaranthus spinosus* L.
7. Star Thistle, *Centaurea solstitialis* L.

B. Insects

1. Green Scale-citrus and coffee
2. Mites – Solanaceae
3. Little Fire Ants
4. Diamond Back Moth
5. Western Flower Thrip (vector for spotted wilt virus, effects a variety of vegetables such as tomatoes, leafy vegetables)
6. Aphids – Yellow Mosaic Virus
7. Aphid Mealy Bugs
8. Avocado Thrips
9. Nettle caterpillars
10. Nematodes – control choices

VI. Organic Pasture/Rangeland – Maui Priority Noxious Weeds

- A. Fireweed, *Epilobium angustifolium*
- B. Russian Thistle, tumbleweed, *Salsola kali* L.
- C. Gorse, *Ulex europaeus* L.

VII. Eligible Farm Bill Practices recommended for the following land uses

1) **Cropland – Conventional/Organic**– access road, pest management, nutrient management, conservation crop rotation, conservation cover, mulching,

Conservation crop rotation, contour farming, contour orchard and other fruit, cover crop, critical area planting, deep tillage, diversion, filter strip, field border, firebreak, heavy use area protection, grassed waterway, windbreak/shelterbelt, irrigation regulating reservoir, micro irrigation, sprinkler irrigation, irrigation water conveyance, irrigation water management, pest management, pond, residue management seasonal, roof runoff structure, sediment basin, structure for water control, terrace, trees shrub establishment, tree shrub pruning, upland wildlife habitat, water harvesting catchment, water and sediment control basin, windbreak/shelterbelt renovation, alley cropping, composting facility, atmospheric resource quality management, restoration and management of declining species

2) **Forest** – forest stand improvement, tree shrub site prep, trees shrub establishment, brush management, herbaceous weed control, fuel break, firebreak, woody residue treatment mulching, multi-story cropping, upland wildlife habitat

3) **Pasture, Grazed Range, Native Naturalized Pasture** – brush management, pest management, fence, access control, upland wildlife habitat, fuel break, firebreak, restoration and management of declining species, pasture and hay-land planting, prescribed grazing, tree shrub establishment, watering facility, livestock pipeline, tree shrub site preparation, tree shrub establishment, windbreak shelter belt

4) **Animal Waste & Management Practices** – AFO, CAFO compliance; waste treatment, waste transfer, waste storage facility, waste facility cover, nutrient management, waste utilization, waste treatment lagoon, composting facility, grassed waterway, diversion.

5) **Energy Resources** – Improve inefficient energy use; Example Equipment and Facilities.

VIII. Friendly Farmer Payment Schedules – on line presentation

Thank you for attending!