

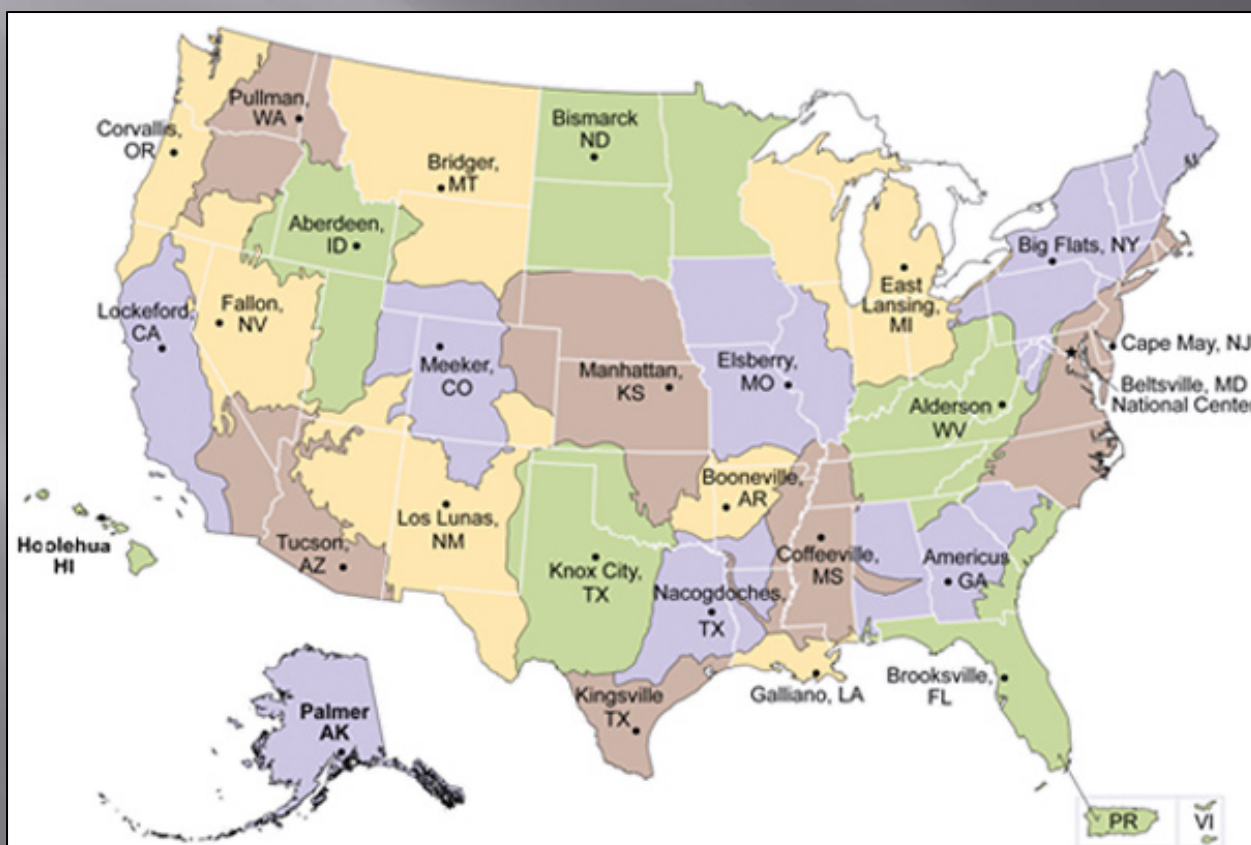
UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

HOOLEHUA PLANT MATERIALS CENTER



<http://www.pia.nrcs.usda.gov/technical/pmc.html>

Plant Materials Program Service Areas



<http://plant-materials.nrcs.usda.gov/>



Find vegetative solutions for the conservation of our natural resources.

<http://plant-materials.nrcs.usda.gov/>

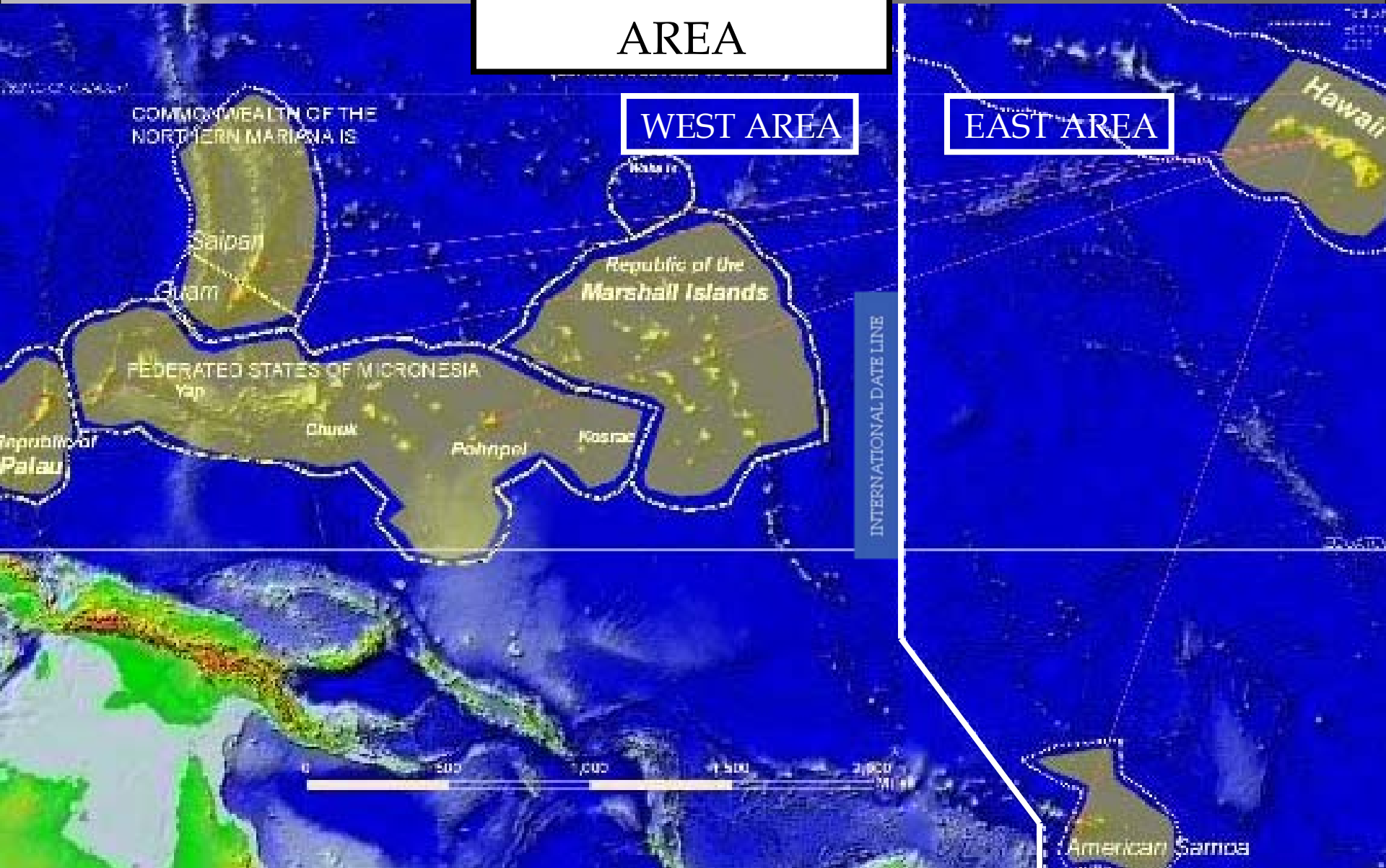
Pacific Island Area Hoolehua Plant Materials Center



PACIFIC ISLAND AREA

WEST AREA

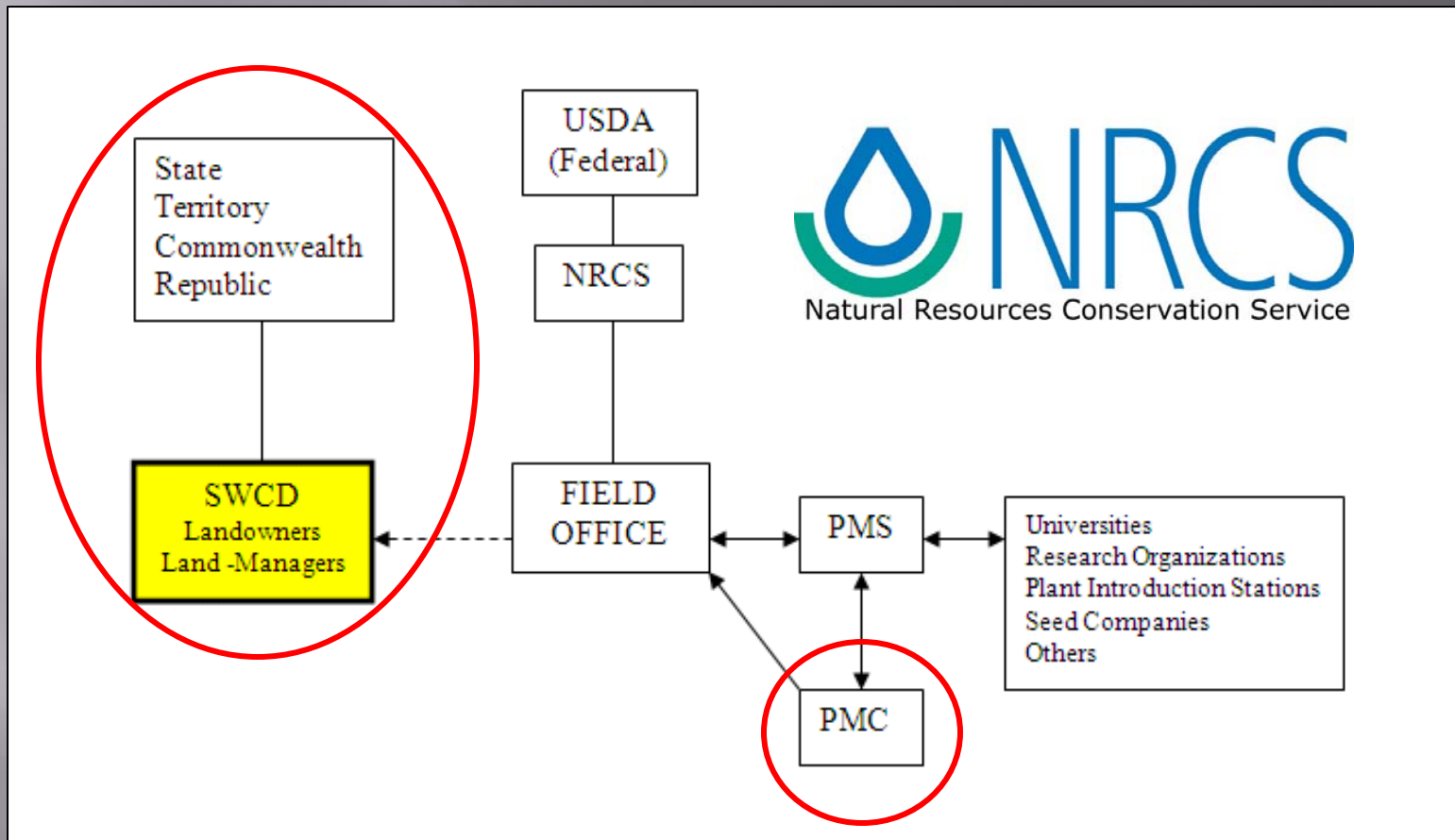
EAST AREA





United States Department of Agriculture
Natural Resources Conservation Service

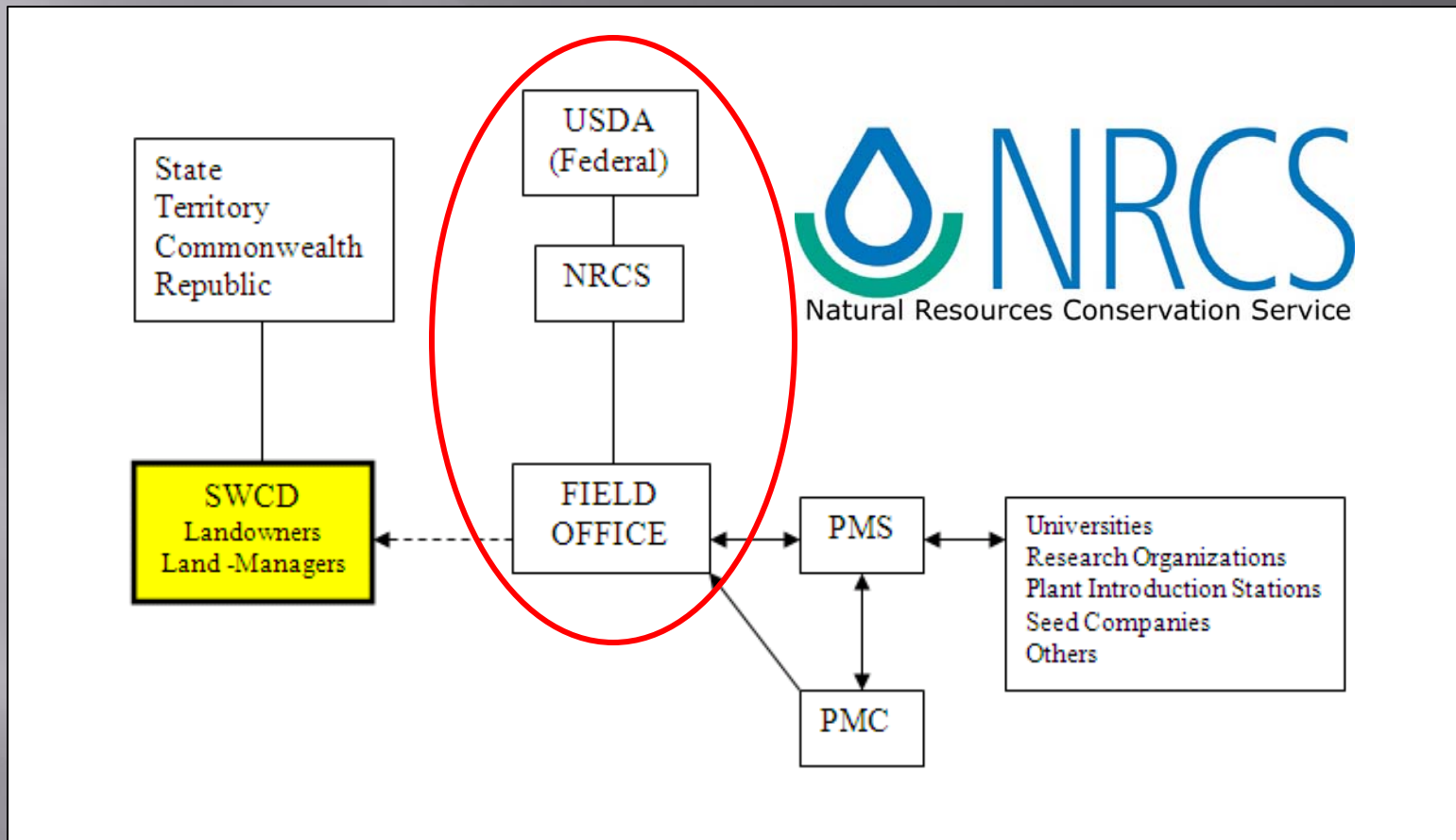




SWCD

Implements federal resource management programs at the local level.

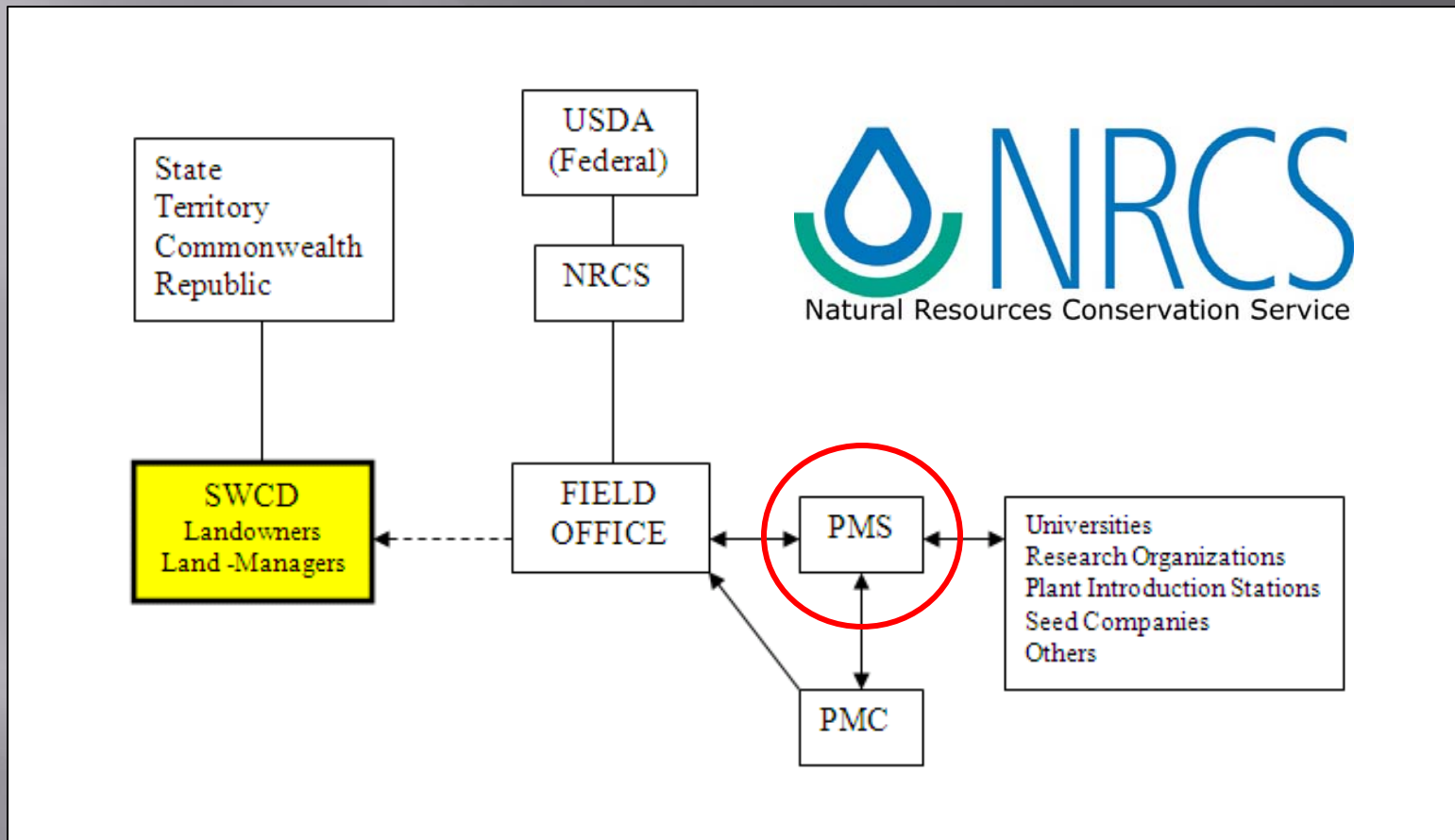




USDA/NRCS Field Office

Assists SWCDs with the implementation of federal resource management programs without complete control.

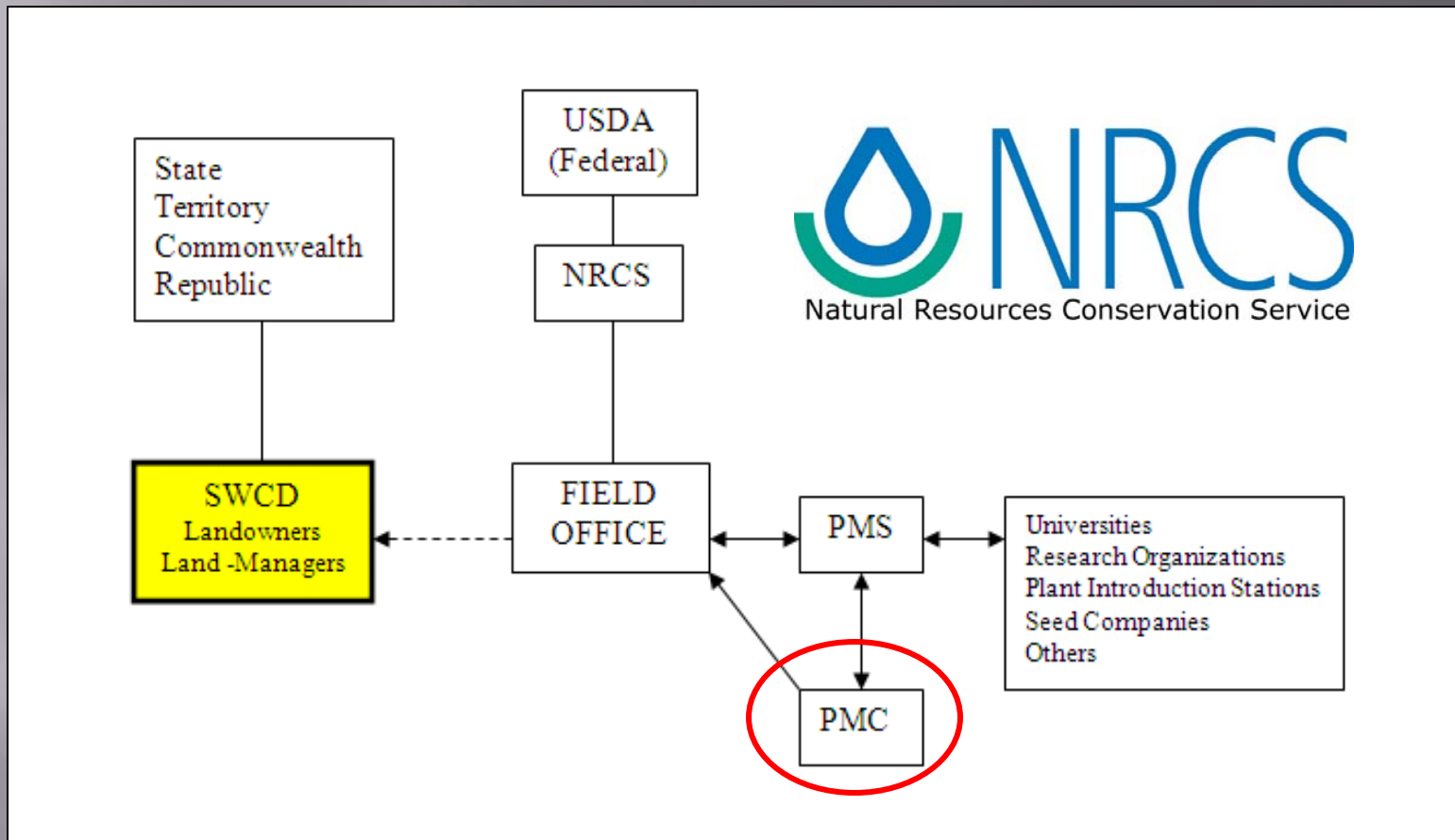




Plant Materials Specialist

- Identifies plant-related resource concerns
- Recommends solutions to address resource concerns using plants or plant-technologies.





USDA/NRCS Plant Materials Center

Tests plants or develops plant-technology to address resource concerns.

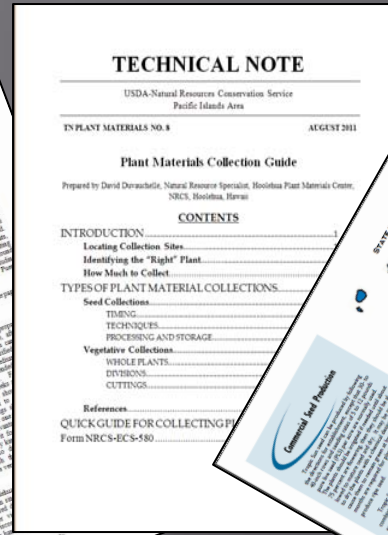


Technology Development Process



Products

- ❑ Fact Sheets
- ❑ Tech Notes
- ❑ Brochures
- ❑ Demonstrations
- ❑ Presentations
- ❑ Tours
- ❑ Training



Plant Selection Process





Determine Plant Environmental Range





Hoolehua PMC Releases

<http://plants.usda.gov/java/>

Bob Joy – Plant Materials Specialist

Email: robert.j.joy@hi.usda.gov



'Tropic Sun' Crotalaria
Crotalaria juncea



'Tropic Coral' Erythrina
Erythrina variegata



'Kuiaha' Desmodium
Desmodium intortum



'Tropic Shore' Paspalum
Paspalum vaginatum



'Tropic Lalo' Paspalum
Paspalum hieronymii



Kahoolawe Germplasm Pilgrass
Heteropogon contortus



Makakupaia Germplasm Aweoweo
Chenopodium oahuense



Kamiloloa Germplasm Aalii
Dodonaea viscosa



Kahoolawe Germplasm Kawelu
Eragrostis variabilis



Green Manure Crop 'Tropic Sun' Crotalaria *Crotalaria juncea*

- Adds 100-150lbs nitrogen per acre
- Increases organic matter
- Reduces root-knot nematode populations
- Non-toxic to livestock



Green Manure Crop
'Tropic Sun' Crotalaria
Crotalaria juncea

- Nitrogen store in root nodules
- Seeding rate 40-50 lbs per acre
- Turn under at 40-50 days









- Plant in rows 30-36 inches apart
- 7-9 lbs per acre



- Plant November/December
- Harvest June/July



'Tropic Sun' Crotalaria Cultivar

Molokai Seed Company

<http://molokaseedcompany.com/>

P.O. Box 949

Kaunakakai, HI 96748

808.658.9979

<http://molokaseedcompany.com/>
info@molokaseedcompany.com

Oahu RC&D

PO Box 209

92-1770 Kunia Road

Kunia, HI 96759

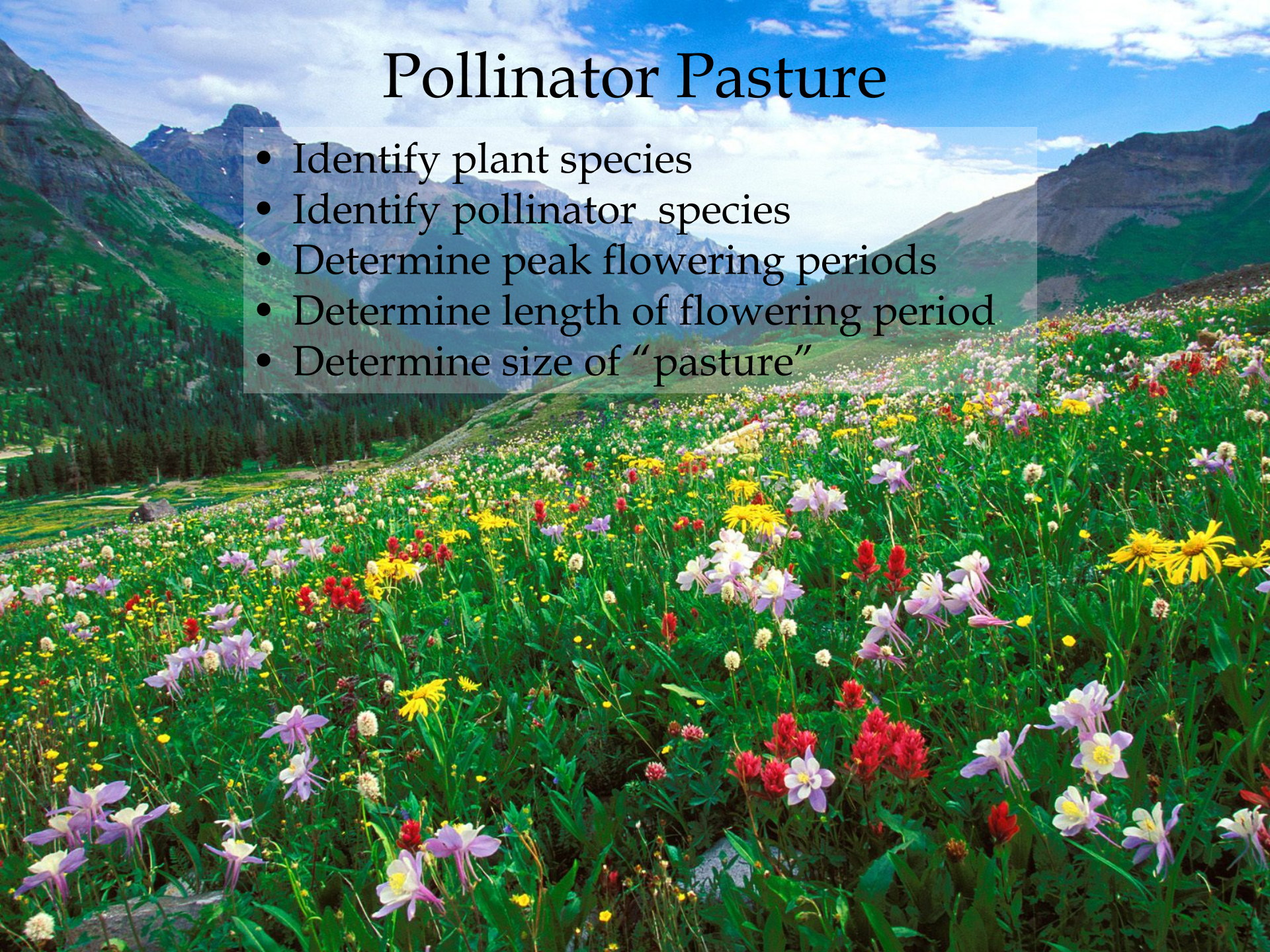
808-622-9026

<http://www.oahurcd.org/>
admin@oahurcd.org



Pollinator Pasture

- Identify plant species
- Identify pollinator species
- Determine peak flowering periods
- Determine length of flowering period
- Determine size of “pasture”





Ilima
Sida Fallax



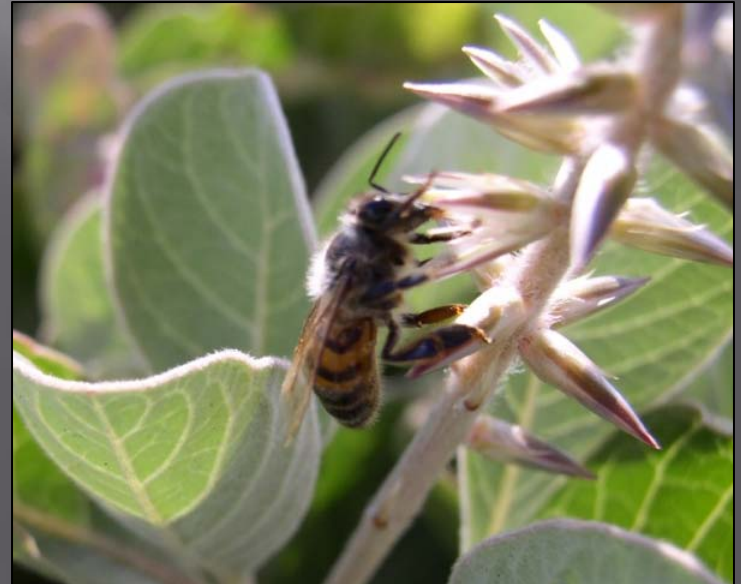


Uhaloa
Waltheria indica





Ewa hinahina
Achyranthes splendens





Kookoolau
Bidens menziseii

Pollinator Pasture Plants

- Mix of native species
- Adapted to the climate
 - Drought tolerant
 - Wind tolerant
 - Poor soils
- Relatively easy to grow
- Require low maintenance
- Strategically placed

Aiea Service Center

Robert L. Cushing Building 99-193
Aiea Heights Drive, Suite 109
Aiea, Hawaii 96701
Telephone: (808) 483-8600
FAX: (808) 483-8619

Hilo Service Center

154 Waianuenue Avenue, Room 322
Hilo, Hawaii 96720-2452
Telephone: (808) 933-8381
FAX #: (808) 933-8362

Hoolehua Field Office

4101 Maunaloa
Highway P.O. Box 396
Hoolehua, Hawaii 96729-0396
Telephone: (808) 567-6868
FAX: (808) 567-9062

Kahului Service Center

77 Hookele Street, Ste. 202
Kahului, Hawaii 96732
Telephone: (808) 871-5500
Toll free: (866) 465-0519
FAX: (808) 873-6184

Kealahou Service Center

Central Kona Center (Building 9)
81-948 Waena 'Oihana Loop, Suite 101
Kealahou, Hawaii 96750
Telephone: (808) 322-2484
FAX: (808) 322-3735

Lihue Service Center

4334 Rice Street, Room 104
Lihue, Hawaii 96766-1801
Telephone: (808) 245-9014
FAX: (808) 246-4639

Waimea Field Office

Kamuela Business Center Building
64-1032 Mamalahoa Highway Ste. 201
Kamuela, Hawaii
Telephone: (808) 885-6602
FAX: (808) 885-4420

American Samoa Service Center

Pago Plaza Bldg., Suite 211
P.O. Box 4078
Pago Pago, AS 96799
Telephone: (684) 633-1031
FAX: (684) 633-1062