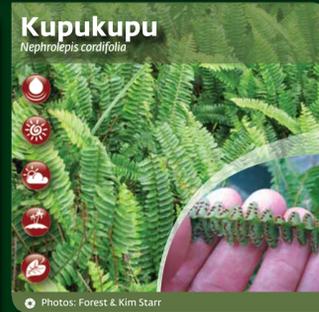
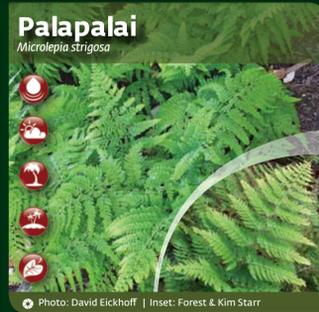
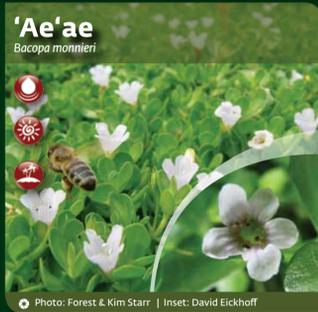
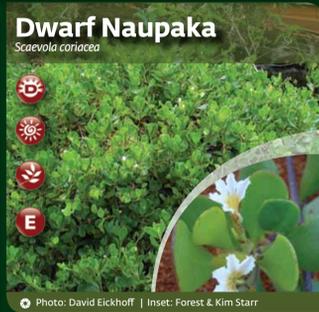


NĀ MEA KANU HAWAII

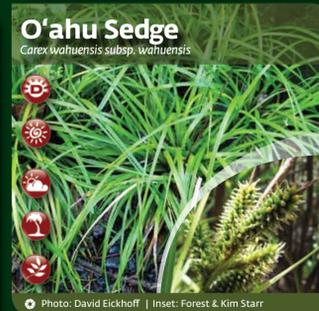
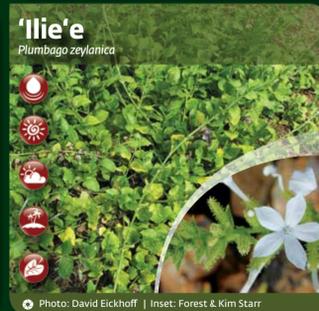
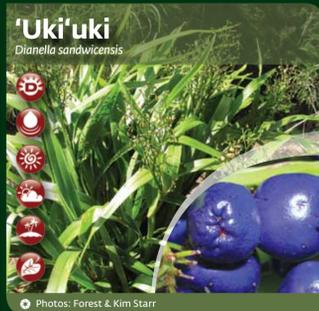
HAWAIIAN PLANTS

VINES, GRASSES & GROUNDCOVERS

0 – 3 Feet Height

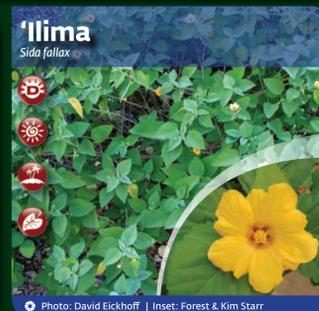
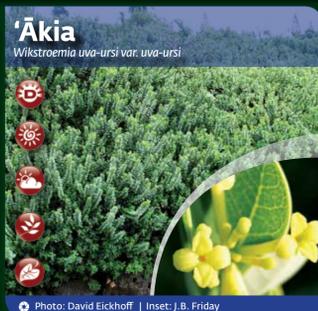
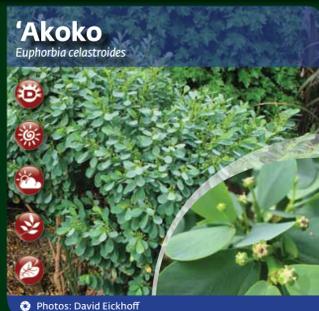
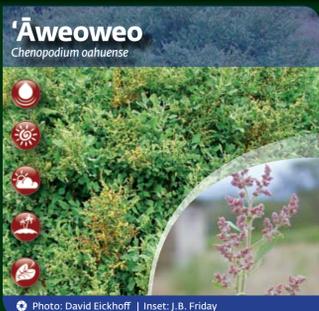
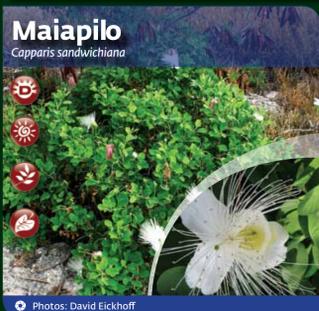


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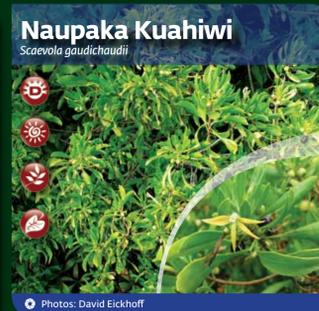
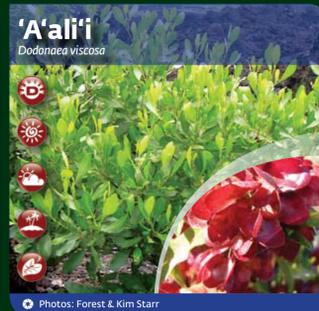
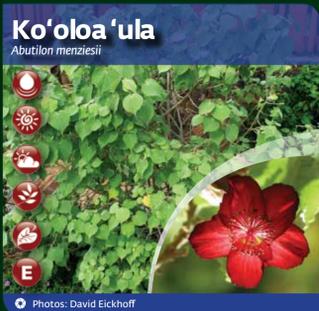


SHRUBS

2 1/2 – 10 Feet

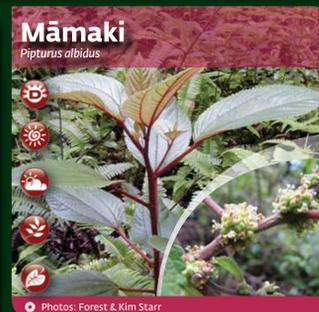
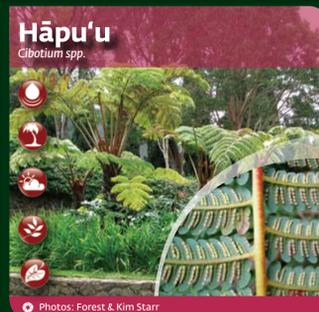
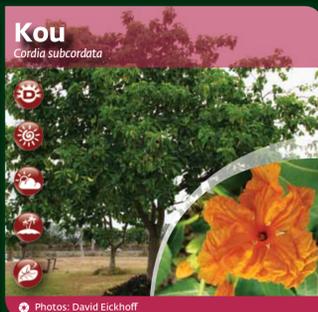
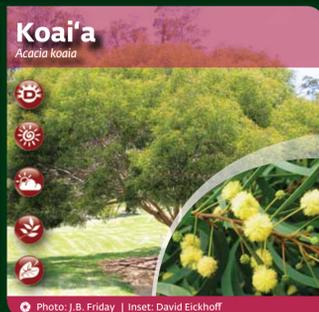
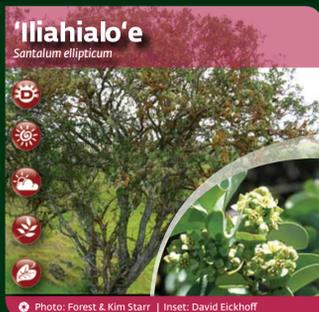
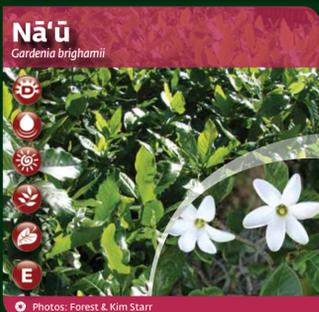


10 – 15 Feet

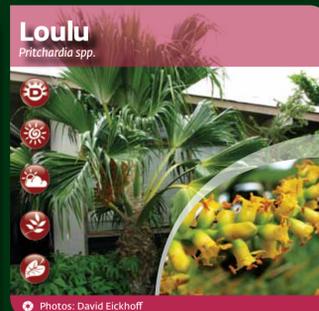
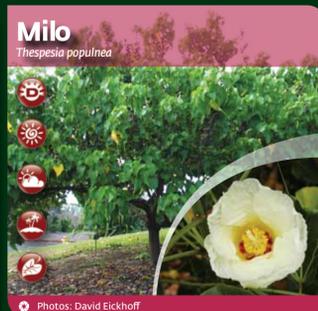
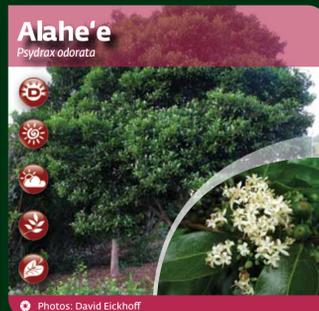
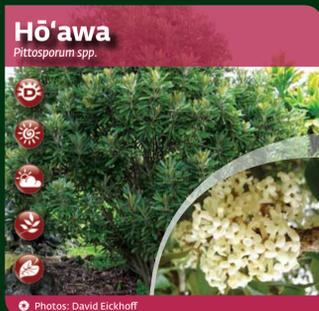
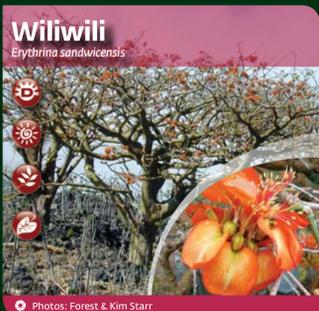


TREES & PALMS

15 – 30 Feet



30+ Feet



- Dry
- Partial Sun
- Indigenous
- Endangered Species
- Wet
- Shade
- Pollinators
- Cultural Significance
- Full Sun
- Endemic
- Salt & Wind Tolerant



FOR MORE INFORMATION, GO TO DATA.BISHOPMUSEUM.ORG/ETHNOBOTANYDB



OR NATIVEPLANTS.HAWAII.EDU



HAWAIIAN PLANTS

ALOHA IANA MEA KANU HAWAII

BELOVED ARE THE HAWAIIAN PLANTS

GENERAL NATIVE PLANT USAGE GUIDELINES: 1. Golden rule: Use of native plants should never endanger their wild populations 2. Comply with all applicable DLNR permitting requirements for any collection of native plants from the wild. Remember that many native plant species are considered threatened or endangered and may be subject to special legal protections. 3. Collect native plants only if you are a trained individual. Native ground cover vegetation can be damaged very easily. Avoid unnecessary damage to collection sites by staying on or near established trails. 4. When collecting common species with a permit, collect less than 5 percent of total seeds from each plant. 5. When collecting, propagating and planting native plants, replicate nature's genetic diversity. Ideally, collect from 8-10 plants per population and a total of 3-5 populations. Keep good records of the location and description of parent plants. Note provenance of plants throughout propagation to installation. 6. Use native plants from your island even if the species distribution is statewide. 7. Avoid moving native plants interisland. 8. Do not import native plants from outside of Hawai'i. 9. Purchase native plants from an established plant nursery. 10. Use native plants in your landscaping only and do not outplant them in natural areas.

VINES, GRASSES & GROUNDCOVERS

0 - 3 Feet Height

3 - 6 Feet

2 1/2 - 10 Feet

10 - 15 Feet

15 - 30 Feet

30+ Feet

Pā'ū-o-Hi'iaika

Jacquemontia sandwicensis

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Small Tan/Brown Dry Seeds Along Stem
READY FOR OUTPLANTING	3 Months
PLANTING SPACING	12-24 Inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i
PEST & DISEASE INFO	Ants, Mealybugs, and Slugs
SOIL TYPES	Sand, Cinder, Coral
HOW TO USE THE PLANT	Groundcover, Hedge, Xeriscape
CULTURAL SIGNIFICANCE	Protected the goddess Hi'iaika

Nehe

Melanthera integrifolia

VEGETATION COMMUNITY	Coastal, Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown Achenes
READY FOR OUTPLANTING	6 Months
PLANTING SPACING	12 inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Ants, Scale, Spittle Bugs, and Mealy Bugs
SOIL TYPES	Sand, Cinder, Coral
HOW TO USE THE PLANT	Groundcover
CULTURAL SIGNIFICANCE	Flowers were used to make lei

Dwarf Naupaka

Scaevola coriacea

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Soft White or Purple Seeds
READY FOR OUTPLANTING	6 months
PLANTING SPACING	12-36 inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Slugs, Ants, Aphids, Spittle Bug, and Spider Mites
SOIL TYPES	Clay, Sand, Cinder, Coral
HOW TO USE THE PLANT	Groundcover, Xeriscape
MAJOR POLLINATORS	Bees, Flies, Moths

'Ae'ae

Bacopa monnieri

VEGETATION COMMUNITY	Coastal, Riparian
PROPAGATION TECHNIQUE	Stem Cuttings
TIMING	Use Stem Cuttings During Cool Morning Hours
READY FOR OUTPLANTING	5-6 months
PLANTING SPACING	12-36 inches
TOLERANCES	Waterlogged Soil, Wind, Salt
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Slugs and Snails
SOIL TYPES	Sand, Cinder, Organic
HOW TO USE THE PLANT	Groundcover, Hedge, Specimen, Riparian, Rain Garden
MAJOR POLLINATORS	Bees, Flies

Palapalai

Microlepia strigosa

VEGETATION COMMUNITY	Dry to Moderately Wet Forest
PROPAGATION TECHNIQUE	By Division or Spores
TIMING	Divide Full Pots in Halves or Thirds
READY FOR OUTPLANTING	3 Months From Division
PLANTING SPACING	12-24 inches
TOLERANCES	Wind, Heat
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Caterpillars and scale
HOW TO USE THE PLANT	Groundcover, indoor
CULTURAL SIGNIFICANCE	Associated with hula

Kupukupu

Nephrolepis cordifolia

VEGETATION COMMUNITY	Mesic
PROPAGATION TECHNIQUE	By Division or Spores
TIMING	Divide Full Pots in Halves or Thirds
READY FOR OUTPLANTING	3 Months From Division
PLANTING SPACING	12-24 inches
TOLERANCES	Drought, Wind
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Generally pest free, but may be infested with ants, mealybugs, scale, and slugs
HOW TO USE THE PLANT	Groundcover, indoor, Specimen, Xeriscape
CULTURAL SIGNIFICANCE	Symbolized sprouting knowledge

Pili Grass

Heteropogon contortus

VEGETATION COMMUNITY	Dry Forest
PROPAGATION TECHNIQUE	Seeds
TIMING	Use Dry Brown Seed
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	18-24 Inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i
PEST & DISEASE INFO	Scale, Mealybugs, Locusts, and Grasshoppers
HOW TO USE THE PLANT	Groundcover, Erosion Control, Xeriscape, Specimen
CULTURAL SIGNIFICANCE	Used for thatching

Kāwelu

Eragrostis variabilis

VEGETATION COMMUNITY	Coastal, Dry Forest
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown Seed
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	18-24 Inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Ants, Scale, Mealybugs, and Aphids
HOW TO USE THE PLANT	Groundcover, Erosion Control, Xeriscape
CULTURAL SIGNIFICANCE	Inspiration for a hula step

'Uki'uki

Dianella sandwicensis

VEGETATION COMMUNITY	Mesic, Riparian
PROPAGATION TECHNIQUE	Seeds, Cuttings, Air Layering
TIMING	Use Soft and Dark Blue Seeds
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	18-24 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Mealybugs, Scale and Ants
SOIL TYPES	Cinder, Organic
HOW TO USE THE PLANT	Shrub, Water Feature, Indoor, Rain Garden, Xeriscape, Riparian
CULTURAL SIGNIFICANCE	Used to make a purple-blue dye

Pōhinahina

Vitex rotundifolia

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Round Blackish Fruit
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	24-36 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, and Hawai'i
PEST & DISEASE INFO	Ants, Scale, Aphids, Mealy Bugs, and Spittle Bugs
SOIL TYPES	Sand, Well Drained Soil
HOW TO USE THE PLANT	Shrub, Seashore, Xeriscape
CULTURAL SIGNIFICANCE	Used to treat various maladies

'Ilie'e

Plumbago zeylanica

VEGETATION COMMUNITY	Coastal, Dry Forest
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use when Browning and Shedding from Stems
READY FOR OUTPLANTING	6 Months
PLANTING SPACING	24 Inches
TOLERANCES	Drought, Wind, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i
PEST & DISEASE INFO	Ants, Mealybugs, Aphids, Scales, Slugs, and Chinese Rose Beetles
HOW TO USE THE PLANT	Groundcover, Hedge, Specimen, Rain Garden
CULTURAL SIGNIFICANCE	Roor juice used in tattooing

O'ahu Sedge

Carex wahuensis subsp. *wahuensis*

VEGETATION COMMUNITY	Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown Seed
READY FOR OUTPLANTING	3-6 Months
PLANTING SPACING	18-24 Inches
TOLERANCES	Drought, Wind
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Scale, Thrips, Mealybugs, and Aphids
SOIL TYPES	Clay, Cinder, Organic
HOW TO USE THE PLANT	Groundcover, Specimen, Rain Garden, Xeriscape

SHRUBS

Maiapilo

Capparis sandwichiana

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds
TIMING	Use Ripse Soft Orange Berries
READY FOR OUTPLANTING	6 Months
PLANTING SPACING	36-60 Inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Caterpillars, Cabbage Butterflies, Coffee Twig Borers, ants and seeds predated by rats
SOIL TYPES	Sand, Cinder, Organic, Coral
HOW TO USE THE PLANT	Ground cover, Hedge
CULTURAL SIGNIFICANCE	Used to heal bones

'Āweoweo

Chenopodium oahuense

VEGETATION COMMUNITY	Coastal, Dry Forest, Subalpine
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown Fruit when Falling from Branches
READY FOR OUTPLANTING	6-8 Months
PLANTING SPACING	24-36 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Aphids And Mealybugs
SOIL TYPES	Shrub
HOW TO USE THE PLANT	Used to make hooks for sharks
CULTURAL SIGNIFICANCE	

'Akoko

Euphorbia celastroides

VEGETATION COMMUNITY	Dry Forest, Mesic, Wet Forest, Subalpine
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Mature Soft Orange or Red Fruit when Shedding from Plant
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	36-48 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i, Kaho'olawe, Moloka'i
PEST & DISEASE INFO	Root Mealybugs, Spider Mites, Ants, White Flies
SOIL TYPES	Well Drained Soil
HOW TO USE THE PLANT	Shrub, Hedge
CULTURAL SIGNIFICANCE	Used to encourage lactation

'Ākia

Wikstroemia uva-ursi var. *uva-ursi*

VEGETATION COMMUNITY	Dry Forest, Mesic, Subalpine
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Mature Soft Orange or Red Fruit when Shedding from Plant
READY FOR OUTPLANTING	12 Months
PLANTING SPACING	24-36 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	O'ahu, Moloka'i, Maui
PEST & DISEASE INFO	Ants, Scale, Aphids, Mealybugs, Chikens are known to Eat the Fruit and to Scratch at the Roots
SOIL TYPES	Shrub, Hedge, Specimen, Japanese Gardens
HOW TO USE THE PLANT	Used to stupefy fish
CULTURAL SIGNIFICANCE	

Ma'o

Gossypium tomentosum

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown, and Splitting Seam Capsules
READY FOR OUTPLANTING	12 Months
PLANTING SPACING	36-48 Inches
TOLERANCES	Drought, Salt, Wind, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe
PEST & DISEASE INFO	Chinese Rose Beetles, Ants, Scales, Mealybugs, Aphids, White Flies and Red Spider Mites
SOIL TYPES	Clay, Cinder, Coral - Well Drained
HOW TO USE THE PLANT	Shrub, Hedge, Xeriscape, Riparian
CULTURAL SIGNIFICANCE	Used to make dyes

'Ilima

Sida fallax

VEGETATION COMMUNITY	Coastal
PROPAGATION TECHNIQUE	Seeds
TIMING	Use Dry Star-Shaped Capsules
READY FOR OUTPLANTING	6 Months
PLANTING SPACING	36-48 Inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Ants, Scale, Aphids, Mealybugs, Red Spider Mites and Slugs
SOIL TYPES	Groundcover, Hedge, Specimen, Xeriscape
HOW TO USE THE PLANT	Used in healing by Hi'iaika
CULTURAL SIGNIFICANCE	

Ko'oloa 'ula

Abutilon menziesii

VEGETATION COMMUNITY	Dry Forest
PROPAGATION TECHNIQUE	Seeds, Cuttings, Air Layering
TIMING	Use Ripse Dry Brown Seeds
READY FOR OUTPLANTING	4-6 Months
PLANTING SPACING	36-48 Inches
TOLERANCES	Drought, Heat
ISLAND DISTRIBUTION	O'ahu, Lāna'i (largest population), Maui, Hawai'i
PEST & DISEASE INFO	Chinese Rose Beetles, Aphids and Mealybugs. Overwatering can Cause Black Sooty Mold.
SOIL TYPES	Clay, Cinder, Organic - Must Be Well Drained
HOW TO USE THE PLANT	Shrub, Hedge, Specimen, Xeriscape
CULTURAL SIGNIFICANCE	Used in lei and as a laxative

'Ūlei

Osteomeles anthyllifolia

VEGETATION COMMUNITY	Coastal, Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Soft White Pulp Fruits
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	36 inches
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Scale, Mealybugs and Aphids
SOIL TYPES	Clay, Cinder, Coral
HOW TO USE THE PLANT	Shrub, Hedge, Specimen, Trellis, Japanese Garden, Xeriscape
CULTURAL SIGNIFICANCE	Used to make fishing spears

Ma'o Hau Hele

Hibiscus brackenridgei

VEGETATION COMMUNITY	Dry Forest, Mesic, Wet Forest
PROPAGATION TECHNIQUE	From Seed, Cuttings, Air Layers and Grafting
TIMING	Use Brown Seeds when Capsules Split
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	36-72 Inches
TOLERANCES	Drought, Heat
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Mealybugs, Chinese rose beetles, Root knot nematodes, ants, white flies, spider mites and aphids. Overwatering can cause powdery mildew on leaves and root rot.
SOIL TYPES	Cinder
HOW TO USE THE PLANT	Shrub, Hedge, Specimen
CULTURAL SIGNIFICANCE	Planted for ornamental use

Kulu'i

Nototrichium sandwicense

VEGETATION COMMUNITY	Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Small Dry Seeds when the Seeds Begin to Fall Off Plant
READY FOR OUTPLANTING	6-8 Months
PLANTING SPACING	36 Inches
TOLERANCES	Drought, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i
PEST & DISEASE INFO	Ants, Scales, Mealybugs, Aphids, Thrips
SOIL TYPES	Cinder, Organic
HOW TO USE THE PLANT	Shrub, Hedge, Screening, Specimen
CULTURAL SIGNIFICANCE	

'A'ali'i

Dodonaea viscosa

VEGETATION COMMUNITY	Coastal, Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seed, Cuttings, Air Layering
TIMING	Use Dry Red or Tan Capsules
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	5 - 7 Feet
TOLERANCES	Drought, Wind, Salt
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Mealybugs, Ants, Thrips, Aphids, Scales, Black Twig Borers
SOIL TYPES	Shrub, Hedge, Xeriscape, Specimen
HOW TO USE THE PLANT	A metaphor for strength
CULTURAL SIGNIFICANCE	

Naupaka Kuahiwi

Scaevola gaudichaudii

VEGETATION COMMUNITY	Coastal, Dry Forest, Mesic
PROPAGATION TECHNIQUE	Seed and Cuttings
TIMING	Use Soft White or Purple Seeds
READY FOR OUTPLANTING	12 Months
PLANTING SPACING	36 - 48 Inches
TOLERANCES	Drought, Wind, Heat
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Scale, Thrips and Other Sucking Insects
SOIL TYPES	Well Drained Soil
HOW TO USE THE PLANT	Shrub, Hedge, Specimen
CULTURAL SIGNIFICANCE	Used for a purple-blue dye

TREES & PALMS

Nā'ū

Gardenia brighamii

VEGETATION COMMUNITY	Dry Forest, Mesic, Wet Forest
PROPAGATION TECHNIQUE	Seed, Cuttings, Air Layers, and Grafting
TIMING	Use Soft Orange Fruit
READY FOR OUTPLANTING	3-9 Months
PLANTING SPACING	15 Feet
TOLERANCES	Drought, Wind
ISLAND DISTRIBUTION	O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Scale, Mealybugs, Thrips, Red Spider Mites and Aphids, Black Twig Borer
SOIL TYPES	Clay, Sand, Cinder, Organic, Coral
HOW TO USE THE PLANT	Tree, Hedge, Specimen, Fragrant, Xeriscape
CULTURAL SIGNIFICANCE	Wood used for kapa anvils

'Iliahialo'e

Santalum ellipticum

VEGETATION COMMUNITY	Dry Forest, Mesic, Wet Forest, Subalpine
PROPAGATION TECHNIQUE	Seed
TIMING	Use Blackish Purple Drupes. Remove Pulp Immediately
READY FOR OUTPLANTING	3-9 Months
PLANTING SPACING	10-15 Feet
TOLERANCES	Drought, Wind, Salt, Heat
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Kaho'olawe, Hawai'i, Northwest Islands
PEST & DISEASE INFO	Black Twig Borer, Ants, White Flies, and Scale
SOIL TYPES	Tree, Hedge, Shade, Specimen, Xeriscape
HOW TO USE THE PLANT	Used to perfume kapa cloth
CULTURAL SIGNIFICANCE	

Koai'a

Acacia koaia

VEGETATION COMMUNITY	Dry Forest, Mesic, Wet Forest
PROPAGATION TECHNIQUE	Seed
TIMING	Use Brown Seed Pods
READY FOR OUTPLANTING	12 Months
PLANTING SPACING	40 Feet
TOLERANCES	Drought, Wind
ISLAND DISTRIBUTION	Kaua'i, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Scale insects, mealybugs and Koa Will disease
SOIL TYPES	Clay, Cinder, Organic
HOW TO USE THE PLANT	Tree, Shade, Specimen, Xeriscape
CULTURAL SIGNIFICANCE	Used for weapons and tools

Kou

Cardia subcordata

VEGETATION COMMUNITY	Coastal, Dry Forest
PROPAGATION TECHNIQUE	Seeds, Cuttings, Air Layers, and Grafting
TIMING	Use Dry Brown Capsules with White Seeds
READY FOR OUTPLANTING	6 Months
PLANTING SPACING	40 Feet
TOLERANCES	Drought, Wind, Salt, Waterlogged Soil
ISLAND DISTRIBUTION	Ni'ihau, Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Kou Leaf Worm
SOIL TYPES	Tree, Coastal, Shade, Specimen, Xeriscape
HOW TO USE THE PLANT	Used for wooden images of gods
CULTURAL SIGNIFICANCE	

Hāpu'u

Cibotium spp.

VEGETATION COMMUNITY	Mesic, Wet Forest
PROPAGATION TECHNIQUE	Spores, Side Shoots
TIMING	Use Spores when Sori are Light Tan and Plump
READY FOR OUTPLANTING	18 Months from Spore Germination
PLANTING SPACING	6-10 Feet
TOLERANCES	Wet
ISLAND DISTRIBUTION	O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i, Kaua'i
PEST & DISEASE INFO	Feral Pigs and Termites
SOIL TYPES	Tree, Specimen, Japanese Garden
HOW TO USE THE PLANT	Pulu wool used for medicine
CULTURAL SIGNIFICANCE	

Māmaki

Pipturus albidus

VEGETATION COMMUNITY	Mesic, Wet Forest, Subalpine, Alpine, Riparian
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use White Pulp Soft Mature Fruits
READY FOR OUTPLANTING	6-12 Months
PLANTING SPACING	24 Months
TOLERANCES	Waterlogged Soil
ISLAND DISTRIBUTION	Kaua'i, O'ahu, Moloka'i, Lāna'i, Maui, Hawai'i
PEST & DISEASE INFO	Ants, Scale, Mealybugs, Thrips, Aphids, Chinese Rose Beetles, Caterpillars, Grasshoppers, and Spittle Bugs. Fungal Disease Can Attack and Kill Young Plants.
SOIL TYPES	Tree, Hedge, Shade, Edible, Riparian
HOW TO USE THE PLANT	Durable material for kapa
CULTURAL SIGNIFICANCE	

Wiliwili

Erythrina sandwicensis

VEGETATION COMMUNITY	Dry Forest
PROPAGATION TECHNIQUE	Seeds and Cuttings
TIMING	Use Dry Brown Pods with Red Seeds
READY FOR OUTPLANTING	3