

MAPUNYAO Aglaia mariannensis

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Mariana Islands on Guam, it is commonly found in the understory of limestone forests but can also be found on volcanic soils in the Mariana Islands north of Saipan.

Other Common Names: Fischil liyoos, Mapuñao, Marasau, Maypunayo, Mesecheues, Mupunyao Synonyms: *Aglaia palauensis*, *Aglaia ponapensis*

Family Name: Meliaceae

Plant appearance

Distinctive feature: Mapunyao produces small yellow-orange flowers with citronella-like smell. The attractive ball-like fruits mature from brown-green to orange.

Leaf

Shape: Ovate or elliptic **Arrangement:** Alternate

Type: Compound

Flower

Size: 0.125-0.25 in.
Color: Yellow-orange

Shape: Rounded, slightly ribbed vertically on the side with a star-shape forming on top of the flower as it

begins to open

Arrangement: Alternate

Flowering period: Year-round

Habit

Typical height: 15-40 ft.



Mapunyao flowersa.

Fruit

Type: Drupe

Size: About 0.65 in. diameter, oblong

Color: Yellow or orange **Number of seeds:** 1

Edible: For wildlife, unknown for humans

Growing your own

Form: Seeds

Seed collection: Select seeds from mature and healthy fruits. Seeds may be collected from the tree or ground.

Seed treatment: None

Germination time: 1-3 months

Planting depth: No deeper than twice the size of the

seed

Pre-planting: Seedlings from 1-gallon pots will be ready for transplant in 4-6 months after initial germination. Ensure shoot growth is at least 1 ft. above pot height and no taller than 2 ft. and ensure girth is at least 0.50 in. in diameter.

Special hints: Ensure adequate water and fertilize as needed.



Mapunyao leaves^a.

Production conditions

pH value: 6.5-7.0 (neutral)

Water: Well-drained and not over-watered

Salt tolerance: Low

Wind tolerance: Medium

Soil characteristics: Limestone and volcanic soils

Light: Full sun or shade **Space requirement:** 8-15 ft. **Growth rate:** 1 ft. per year **Growth direction:** Upward

Fertilizer: For outplants, apply small amounts of complete fertilizer once every 3-4 months for 1 year.

Pruning: Prune dead branches. Prune as necessary for structure and crown thinning. Prune no more than 25

percent of plant every 4-6 months.



Mapunyao fruita.

Risks

Near surface roots: Depends on the location. For reforestation areas, the roots can go deep.

Limb breakage: Low

Special considerations: None

Pests: Rose beetle, wild pig (rooting)

How to use this plant

Mapunyao is used for reforestation of grasslands and urban forestry projects on Guam.

Agroforestry: Landscape **Wildlife:** Food and habitat **Medicinal:** Unknown

Other uses: Stakes, tool handles, firewood, lumber



Mapunyao seeda.

Photo Credits

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For further information

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Mapunyao seedlinga.

This is a continuation of the first set of 9 Native Tree factsheets in collaboration with Guam Department of Agriculture and USDA which is found in this link: http://cnas-re.uog.edu/useful-cnas-documents-posters/?wpv_aux_current_post_id=3189&wpv_view_count=3187-TCPID3189&wpv_paged=2.

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