

***Passiflora edulis* Sims. 1818**
Subgenus *Passiflora* Supersection *Stipulata* Section
Granadillastrum

Distribution: Brazil.

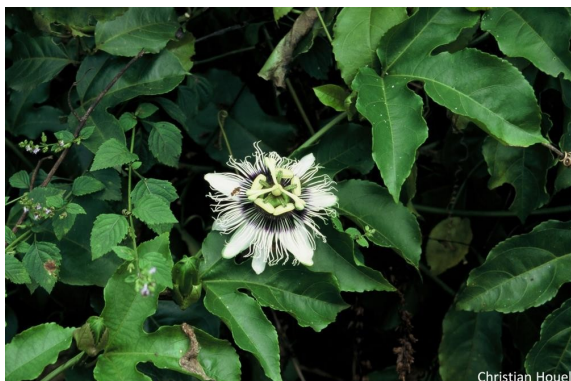
Plant essentially glabrous throughout (except ovary), rarely pilosulous throughout; stipules linear-subulate, about 1 cm. long, 1 mm. wide, entire or minutely glandular-serrulate; petioles up to 4 cm. long, biglandular at apex, the glands sessile or short-stipitate; leaves 5 to 11 cm. along midnerve, 4 to 10 cm. along lateral nerves, 7 to 12 cm. between apices of lateral lobes, 3-lobed to below middle (lobes 2 to 4 cm. wide, acute or acuminate, rarely subobtusate, the young leaves occasionally unlobed, ovate), rounded or shallowly cordate at base, serrate, subcoriaceous, lustrous above; peduncles up to 6 cm. long, stout; bracts ovate, 2 to 2.5 cm. long, 1 to 1.5 wide, obtuse or acute at apex, sharply serrate, pectinate, or almost lacerate, often marginally glandular; flowers up to 7 cm. wide; sepals oblong, 3 to 3.5 cm. long, about 1 cm. wide, corniculate, green without, white within; petals oblong, 2.5 to 3 cm. long, 5 to 7 mm. wide, obtuse, white; corona filaments in 4 or 5 series, those of the 2 outer series filiform or narrowly liguliform, 1.5 to 2.5 cm. long (or as short as 0.5 mm.), crispate toward apex, white, purple at base, those of the succeeding series 2 to 2.5 mm. long, linear-falcate, or reduced to minute dentiform processes; interior of tube between corona and operculum smooth or minutely tuberculate; operculum membranous, incurved, entire, or short-fimbriate; limen cupuliform, entire or crenulate; ovary ovoid or globose, sericeo-tomentose or glabrous; fruit ovoid or globose, 4 to 5 cm. in diameter, yellow, greenish yellow, or purplish; seeds oval, 5 to 6 mm. long, 3 to 4 mm. wide, reticulate, the reticulations minute. cm.



Passiflora edulis (itatiaia)



Passiflora edulis f. flavicarpa



Passiflora edulis f. albida Vanderplank 2014
 Subgenus *Passiflora* Supersection *Stipulata* Section
Granadillastrum

Distribution: Brasil state of Sao Paulo.

Robust climbing vine to 8 m. Roots fibrous. Stem terete, pilose, stout. Stipules linear-subulate, pilose, 5-12 mm long. Tendrils terete, mostly glabrous. Petiole pilose, 20-30 mm long, with two distinctive black cupulate ovate glands close to base of leaf blade.

Leaves deeply three-lobed, 11-16 cm along midnerve, 12-20 cm in diameter, base rounded or cordate, lobes divergent acute or acuminate, margin deeply serrate with one or two pairs of prominent black nectar bearing glands near the leaf sinuses, lustrous on adaxial surface, sub-pilose on abaxial surface ; juvenile leaves simple or asymmetrically bilobed. Peduncles borne singly, stout, terete, 2.5-3.5 cm long.

Bracts glabrous, pale green, deeply serrate or pinatisect, 2.0-3.5 cm long 2.0-3.0 cm wide. Flowers white, showy, 5.5-6.5 cm in diameter, produced intermittently all year around, anthesis normally before midday. Hypanthium campanulate, 7-10 mm high 6-9 mm wide, glabrous. Sepals reflexed at anthesis, 2.5 cm long, 0.8 cm wide at base, white on adaxial surface, green on abaxial surface deeply keeled with stong bronze tinted sepal awn. Petals reflexed at anthesis, 2.5 cm long, 0.6

cm wide, white on both surfaces. Corona filaments :

two outer series, filiform, 1.2-1.8 cm long, white, inner series of 7-10 scattered rows of purple acute points, 1 mm high. Operculum membranous, curved towards and held close to the limen, purple at apex, green at base. Nectar ring triangular. Limen narrow cupuliform. Androgynophore 2.0 cm high, green with purple spots towards apex. Staminal filaments : 5-7 mm long, green with red or purple spots. Anthers 8-10 mm long, green with yellow margin. Pollen pale yellow ; pollen grains spherical, zonate, germinate and heterocolpate anastomosing at the poles, with three pairs of colpi at the equator. Ovary subspherical, pilose. Style 10-12 mm long, green spotted red or purple, pilose. Stigmas olive green. Fruit subrotund, 3.5-5.0 cm in diameter, yellow with pale yellow speckles when ripe ; exocarp thin yellow shell ; mesocarp white, spongy 2-3 mm thick ; endocarp thin white membrane. Arils pale yellow, juicy and slightly acidic. Seed symmetrical, obovate, slightly compressed, margin crenate, base acute, apex cordate with acute triangular chalazal beak, middle convex with smooth shallow reticulations on each side, dark brown, 4.5 mm long, 2 mm wide, 1 mm deep, 100 seeds 1.42 g. Germination epigeal.



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