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Manual of the southeastern flora :being descriptions of the seed plants growing naturally in Florida, Alabama, Mississippi, eastern Louisiana, Tennessee, North Carolina, South Carolina and Georgia.

New York : The author, 1933.

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reniform, 4–8 mm. long, abruptly pointed, the intermediate papilionaceous, the inner flabellate-cuneate, emarginate and mucronate: corolla bright-yellow, 6.5–8 cm. wide, rotate; petals few, the outer flabellate-cuneate, the inner broadly cuneate-obovate, all toothed, emarginate, mucronate: anthers 2.5–3 mm. long: berry globose-obovoid, 4.5–6 cm. long, purple, the umbilicus shallowly concave: seeds numerous, 5–6 mm. in diameter, turgid, thick-margined.—Coastwise sand-dunes, Ga. (N E Fla.?) to N. C.

26. *O. turbinata* Small. Plant erect, but diffuse, less than 1 m. tall, much-branched, with stout fibrous roots: joints oval, suborbicular or obovate, 1–1.5 dm. long, light-green and glaucous, very thick: leaves ovoid, about 3 mm. long, areolae rather prominent, mostly armed: spines solitary or 2–5 together, pale-yellow to bright-yellow, becoming sordid-brown when dry, dark-brown when wet, the longer ones 2–3 cm. long: hypanthium turbinate: sepals green, the outer deltoid-ovate, acute, the intermediate orbicular-ovate, the inner somewhat reniform and broadly pointed: corolla light-yellow, 4.5–5.5 cm. wide; petals cuneate to obovate, minutely pointed: berry globose-turbinate, 3.5–4.5 cm. long, purple, the umbilicus convex: seeds numerous, about 4.5–5 mm. in diameter, very inequilateral.—Coastal sand-dunes, N E Fla. to Ga.

27. *O. cantabrigiensis* Lynch. Plant erect, 1 m. tall or less, diffusely branched, but with no definite main stem, with fibrous, sometimes stout roots: joints orbicular to orbicular-obovate, mostly 1–1.5 dm. long, thickish, bright-green, somewhat glaucous when young: leaves subulate, 5–11 mm. long: areolae small, nearly all armed and with long white hairs: spines solitary or 2–4 together, acicular, cream-colored when young, at maturity pale-yellow, except the dark tip when dry, light yellow-brown when wet, the longer ones 2–3 cm. long: hypanthium obovoid, green: corolla yellow, or sometimes red in the center, rotate, mostly 5–6 cm. wide: berry globose-obovoid or globular, 3.5–4.5 cm. long, purple: seeds numerous, 3–4 mm. long, somewhat turgid.—Coastal sand-dunes about Beaufort, N. C. Nat. of Mex.

28. *O. magnifica* Small. Plant 2 m. tall or less, more or less widely branched and diffuse, with thick fibrous roots: joints elliptic, oval, or narrowly obovate, 2–5 dm. long or more, relatively thin, more or less twisted, bright-green and glaucous: leaves subulate, 6–8 mm. long, usually loosely ascending: areolae rather inconspicuous, feebly armed: spines very slender, even weak, solitary or 2 or 3 together, pale-yellow, becoming sordid and minutely banded when dry, pale yellow when wet, the longer ones 1.5 cm. long: flowers not very numerous, usually several to a joint: hypanthium obconic, 5.5–7 cm. long, green or sometimes purple-tinged: sepals mostly green, the outer subulate to triangular-lanceolate, 8–20 mm. long, the inner rhombic-ovate or rhombic-obovate, 2.5–3 cm. long, all acute or somewhat acuminate: corolla deep-yellow, rotate, 9–12 cm. wide; petals 12 or fewer, broadly-obovate to orbicular-obovate, 4–6 cm. long, rounded at the apex, mucronate, slightly narrowed at the broad base: anthers linear, 4–5 mm. long: berry obconic-turbinate, 8.5–9.5 cm. long, purple, the umbilicus flat or nearly so: seeds about 3 mm. in diameter, very numerous.—Pinewoods and bluffs, Amelia Island, Fla.

29. *O. zebrina* Small. Plant erect, more or less branched throughout, fully 1 m. tall, or less, the roots fibrous: joints oval or obovate, thickish, mostly 1–2 dm. long, deep-green, sometimes obscurely glaucous, not twisted: leaves conic-ovoid, 4–6 mm. long, or rarely smaller, erect or appressed, often slightly curved upward, bright-green, unaccompanied by bristles or spines: areolae scattered, some of them, usually the lower ones, unarmed, the upper ones irregularly armed: spines slender, solitary or 2, 3, or 4 together, red-brown and finely banded when dry, paler or salmon-pink and less conspicuously banded when wet, nearly terete, closely spirally twisted: flowers few, sometimes several on a