Iowa Solidago

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- 1a. Secondary inflorescences a terminal \pm flat-topped (or somewhat domed to convex) corymbiform inflorescence; heads solitary or in small clusters at the branch tips
 - 2a. Disc and ray corollas white or less commonly pale cream-color......S. ptarmicoides (upland white goldenrod)
 - 2b. Disc and ray corollas yellow

 - 3b. Leaves relatively broad, blades broadly oblanceolate to elliptic-obovate, ovate or oblong-elliptic, less than 3 times as long as wide, densely hairy, margins crenate or serrulate (subentire); stems densely short hairy.......

 S. rigida (rigid goldenrod)
- 1b. Secondary inflorescences either consisting of axillary clusters, or if terminal then elongate and racemose or pyramidal panicles; heads usually oriented upward and singly or in small clusters along the branches
 - 4a. Secondary inflorescences consisting of axillary clusters, or if terminal then the inflorescence narrow with small clusters of heads or spikelike branches in leaf axils along the main stem, the branches not arching with heads oriented in several directions
 - - 7b. Leaf margins of basal and lower leaves sharply and distinctly serrate, leaves mostly 1.5-3.5 times longer than wide; cypselae moderately to strongly strigose; secondary inflorescence open, diffuse, narrowly cylindrical and paniculiform, consisting of short axillary clusters, short axillary racemiform branches that do not exceed the subtending leaf bracts, and terminal racemiform clusters
 - 5b. Stem pubescent below the inflorescence (strigulose, puberulent, hispid, or villous); upper leaf blade surfaces pubescent (scabrous, strigulose, hispid, or villous)
 - 4b. Secondary inflorescences \pm a terminal pyramidal panicle, the lower branches arching with heads mostly oriented upward

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10a. Cauline leaves (at least the main ones) "triple-nerved," i.e., with a pair of elongate, lateral veins arising below the middle of the midrib that are distinctly stronger than other lateral veins, \pm parallel with the leaf margins, and present for over half the length of the blade 11a. Axis, branches and pedicels of the secondary inflorescence glabrous....S. missouriensis (Missouri goldenrod) 11b. Axis, branches and pedicels of the secondary inflorescence sparsely to moderately and distinctly pubescent 12a. Stem glabrous all of its length below the inflorescence, rarely with a few scattered, spreading, short hairs 12b. Stem pubescent all or most of its length 13a. Involucres mostly 3.1-4.6 (-5) mm long; ray florets 10-16, ray corollas 3.0-4.0 mm, disc corollas 3.0-3.5 mm; pappi 2.5-3.5 mm; mid to distal cauline leaves minutely serrate to entire ... S. altissima (tall goldenrod) 13b. Involucres mostly 2.0-3.0 mm long; ray florets 6-12, ray corollas 2.0-3.0 mm, disc corollas 2.3-2.7 mm; 10b. Cauline leaves with a distinct midrib but the other weaker veins \pm pinnate, not triple-nerved 14a. Stems moderately to densely pubescent with curved to spreading hairs, sometimes becoming less dense toward the stem base; plants in upland, non-wetland habitats 15a. Stems and leaves densely pubescent with minute (0.1-0.3 mm) mostly curved hairs; leaves surfaces 15b. Stems and leaves moderately pubescent with longer (0.5-1.5 mm) mostly spreading hairs; leaf surfaces 14b. Stems below the inflorescence glabrous or sparsely pubescent with mostly spreading hairs; plants in wetland