Joe-Pye Weed

Family ASTERACEAE

Eupatorium spp.
A Rhode Island Native Plant by Jean Haley

Joe-Pye Weed is a majestic, Rhode Mand in the transfer plashes of color to moist meadows and thickets from midsummer into the tark of the transfer plashes of color to moist meadows and thickets from midsummer into the tark of the transfer of the tory in the tory of the tory higher, colonies of Joe-Pye Weed present an eye-catching architecture and a story dispute of color: whorls of large, handsome, lance-shaped leaves are spaced at the talk story the stundy, purplish stems, which are topped by huge, softly domed, branching clusters of small flower heads in hues that have been described as "dusky rose," "amethyst," and "crushed raspoery." The lower heads consist of groups of tiny tubular disk flowers typical of the Aster family. Long, purple-til beet, branched styles protruding from the centers of the densely packed flowers lend a soft, pale-purple to the flower flower clusters. The purplish nodes and purple speckling of the stems.

Joe-Pye Weed has been used enther as scally by European gardeners for a long time, but it is just beginning to be valued horticulturary here on its pative ground. At least one named cultivar is now commonly available. Placed at the back or a sunny personnial horder, or in a naturalized meadow garden, Joe-Pye Weed makes a striking end-of-the summer show articularly in combination with other late-blooming natives such a gold proof the weed and it is a sufficiently imposing the second of the weed and it is a sufficiently imposing the second of the weed and as the second of the provides interesting architectural and color contrasts. Joe-Pye Weed also makes a structural and color contrasts. Joe-Pye Weed also makes a structural and color fresh or dry arrangements.

Four species of Eupatorium et al. the common plane Joe Pye West Eastern or Three-nerved Joe-Pye Weed, Eupatorium dubition Mid., is the most common native Rhode Island species, flowering from early August to late September in open moist areas. This 3-7 foot had that purple flower clusters, with coarsely serrated, strongly three-veined leaves in whorls of three or condition in Rhode Island; it has hollow stems with a whitish become and only the main vein on the leaves. Spotted Joe-Pye Weed (Eupatorium maculatum L.) and Sweet Joe-Pye Weed (Eupatorium purpureum L.) are common in calcareous soils in other areas of New England and into the midwest and south, but are rarely recorded here in Rhode Island.

Both the common and Latin names for Joe-Pye Weed come from its history of medicinal usage. Joe Pye, or Jopi, may have been a Native American or colonialist "yarb man" who instructed in herbalism, including the use of Eupatorium species as treatments for coughs, colds, fevers, and typhus. Another early common name, Gravelroot, indicated its userfor kidney infections and stones. But the Eupatorium genus, comprising perhaps 1,000 species, takes its name from much more ancient medicinal connections. Mithridates Eupator, king of a first century B.C. realm neighboring Rome, intensively investigated the medicinal uses of many plants, presumably including Eupatorium species; his physician has been credited with many botanical illustrations that served as sources for Dioscorides' *De Materia Medica*, a pharmaceutical compilation that was central to the Western medical tradition for over 1600 years.

CULTIVATION NOTES

Eupatorium spp.

Joe-Pye Weed

Perennial. Purple or pink-purple tubular disk flowers (2-3mm), in small cylindrical heads of 4-20 flowers; terminal branching clusters of flower heads, 3-18" across; blooming July or August to September. Tall, robust, 4-7' or higher, depending on species or variety and cultivation conditions; best in sunny, moist areas. Leaves lanceolate, large, to 10" long and 4" wide, depending on species; toothed margins, prominent veins beneath, attached in whorls of 3-7. Stems more or less prominently purple spotted, may have purple nodes.

Cultivation: The most common Rhode Island native Joe-Pye Weed, E. dubium L., and the commonly available cultivar, E. maculatum 'Gateway,' do best in open, sunny areas with the plentiful moisture that approximates their native habitats. With full sun and sufficient moisture in average soil, these Joe-Pye Weeds should grow to 5 feet or more. Appropriate locations are the back of the sunny perennial border, where they should be planted three feet apart, or any naturalized, open, moist area. Although a newly planted Joe-Pye Weed should not be allowed to dry out during its first season, it will tolerate somewhat drier conditions later on. However, it should be watered during periods of extended drought. Over successive seasons of growth in the same location, colonies will form, as new stems grow from a large crown with a massive, fibrous root system. The crown should be divided every three years or so to reduce crowding and maintain robust, erect plants.

Propagation from seed: Seeds collected from the native species may be sown directly outdoors in the fall as soon as they are ripe. Seeds are held within small, black nutlets that mature in mid- to late-September and remain attached to the seed head until early October. Only a small proportion of the nutlets have viable seed; these are plump and swollen rather than small and shriveled. Place the entire seed head into a paper bag and shake to loosen mature nutlets. Plant thickly in an outdoor seed bed (5/8" deep). Refrigerate unused seeds in a dry, sealed container. Seeds germinate in the spring, with flowers in the second year. The seedlings are undemanding, although they grow more vigorously if kept evenly moist.

Propagation from divisions: Native plants or cultivars may be divided in the fall as they go dormant, or, more commonly, in the early spring as the first shoots appear at the crown. Use a sharp shovel or spade to cut through the crown and fibrous root mass between two stem buds, removing a section of the crown that has at least one intact bud and a cluster of roots. Replant the new division immediately and keep it well watered until it is established.

RIWPS Policy: Never dig plants in the wild without written permission of the landowner. Take seeds sparingly.

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