

Scientific Name: *Crataegus crus-galli* var. *inermis*

Common Name: Thornless Cockspur Hawthorn

Environmental Conditions:

Hardiness Zone: 4a

Soil Moisture:

VERY WET			VERY DRY								
occasionally saturated or very wet soil			consistently moist, well drained soil			occasional periods of dry soil			prolonged periods of dry soil		
	2	3	4	5	6	7	8	9	10	11	12

Sun/Shade: full sun

Salt: some observed tolerance

pH: ≤ 8.2

Insect/Disease Factors: *Crataegus* species are susceptible to many foliage diseases and various insects (fireblight, leaf blight, mildews, and rusts are some of the more common problems), var. *inermis* reportedly resistant to cedar-hawthorn rust and leaf blight, lacebug tolerant, **Crusader®** is reportedly very disease resistant

Growth Characteristics:

Height: 20'-25'

Width: 20'-25'

Form/Habit: round, strongly horizontal branching structure, multi-stem forms available, must specify single-stem tree form

Rate: slow to medium

Ornamental Characteristics: none of significance

Flower: white clusters, unpleasant odor, spring

Fruit: showy clusters, bright red, berry-like, persist into late fall and sometimes winter

Seasonal Foliage Color: glossy dark green in summer, orange in fall

Bark: not ornamentally important, silvery-gray

Transplant Issues: difficult to transplant B&B, moderately difficult to transplant bare root, better success in transplanting bare root in fall, do not attempt to transplant > 2" caliper trees bare root, somewhat slow to establish

Management Issues:

Suggested Uses: narrow or wide street tree lawns/pits, parks, suitable for CU-Structural Soil™

Cultivars: **Crusader®** ('Cuzam') may be smaller (15' high x 12'-15' wide) than var. *inermis*

