

Grand Moraine's **Friendly With Walnuts Tray** - \$59.00_{+HST}

Black Walnut and its close relatives produce **juglone**, a biochemical that inhibits growth of many plants. This custom tray provides eight (8) labelled species that will grow and spread effectively under Walnut trees. These species thrive on a variety of soils and moisture conditions, well adapted to the dappled shade of Walnut trees.

#	Species Description	
3	Canada Wild Onion (<i>Allium canadense</i>) Strongly flavoured onion leaves can be used like chives in cooking. Bears umbels of white flowers as well as clusters of small bulblets which drop and quickly take root. Perennial • 30-40 cm tall • Sun to shade • Wet to dry soil • Blooms June • Can be massed or scattered throughout plantings of other woodland species. *	
2	Wild Ginger (<i>Asarum canadense</i>) Distinctive heart-shaped leaves makes this native an indispensable plant for woodland gardens. The plant contain volatile oils with the odor of culinary ginger and herbal properties. An excellent ground cover, which spreads modestly. Perennial • 15-20 cm tall • Shade • Moist soil • Blooms April to May • Establish distinct colonies with 3 plants on 40-50 cm centres, or as a border around tree trunks. **	
3	Pennsylvania Sedge (<i>Carex pensylvanica</i>) A colony-forming sedge for partly shaded areas in woodlands. The leaves are long, thin and delicate, with elongated reddish-brown flowers in late April. Perennial • 15-30 cm • Full sun to partial shade • Moist to dry soil • Blooms April-May. Habitat • Establish colonies with 3 plants on 30 cm centres on bright woodland edges. *	
2	Virginia Water-leaf (<i>Hydrophyllum virginianum</i>) Woodland perennial with white to lavender bell-shaped flowers. Coarsely toothed pinnate leaves bear silvery variegation in spring, which fades as the leaves mature. An important species in the deciduous woodlands of Ontario and a good ground cover. Perennial • 30-40 cm tall • Part sun to shade • Moist soil • Blooms May to June. Habitat: Moist woods and clearings **	
3	Zig-zag Goldenrod (<i>Solidago flexicaulis</i>) Spikes of brilliant yellow flowers top the zig-zag angled stems of this adaptable species. Beautiful fall blooms and dry shade tolerance, it will form colonies over time. Useful for drier soils. Perennial • 30-50 cm tall • Partial to full shade • Moist to dry soil • Blooms August to Sept. • Can be massed or scattered throughout plantings of other woodland species. *	
1	Jumpseed (<i>Tovara virginiana</i>) Delicately arching spikes of tiny white flowers glow in the shade in late summer. Veined leaves flecked with rusty highlights. Spreads readily under walnut shade, great for fall interest and a good backdrop planting in a woodland garden. Perennial • 34-50 cm tall. • Shade to part sun • Average soil • Blooms September *	
1	Large-flowered Bellwort (<i>Uvularia grandiflora</i>) Pale yellow blooms dangle like bells from the upper leaf axils in early May. Leaves are soft blue-green, broadly oval to oblong, turning a glowing soft yellow in the fall. Perennial • 30-45 cm tall • Part sun to part shade • Moist, rich, limey soil • Blooms May. Habitat: Rich deciduous woods in calcareous soil. ***	
3	Downy Yellow Violet (<i>Viola pubescens</i>) The leaves of this Violet are heart shaped, about as broad as long and downy hairy beneath. Five-petaled yellow flowers. An adaptive ground cover in most shady spots, and a good companion for many other woodland plants as it spreads by rhizomes and from seed. Perennial • 15-20 cm tall • Shade • Average soil • Blooms May to June. **	

Space Coverage – The plants in this tray, spaced as suggested, will cover 3 to 4 square meters at maturity.

Spatial Coverage -

Alternates – Note: GMG may substitute the following species for this tray based on seasonal availability.

White Wood Aster (*Aster divaricatus*)

Ohio Spiderwort (*Tradescantia ohioensis*) *

Rocky Mountain Fescue (*Festuca saximontana*) *

False Solomon's Seal (*Maianthemum racemosum*) **

Wild Strawberry (*Fragaria virginiana*) *

Starflower False Solomon's Seal (*Maianthemum stellatum*) **

Rough Woodland Sunflower (*Helianthus divaricatus*) *

Our custom tray pricing saves you 10%+. Build on this cornerstone collection with our other custom trays, or your own selections from our **Availability List** at www.grandmorainegrowers.ca/ordering.

Tips for Plant Establishment

“Establishment” means that new root growth eventually exceeds the weight and volume of the above-ground green vegetation. Successful establishment occurs when soil, light, fertility and moisture are managed and maintained through the first full season of growth.

You can plant in spring, summer or fall – With proper care, you can plant our trays through the entire growing season.

Light - “shade-loving” is a relative concept; most woodland plants flower and thrive in locations where they receive some direct sunlight, especially between the morning and mid-afternoon.

Soils and water - Native woodland plants will grow on a wide range of soils, with compost or decayed leaves well mixed in, and with a mulch applied such as composted leaves, or well-decayed bark. On sites that are sandy or drier, supplemental moisture should be provided for the first year, whenever the ‘soil finger test’ indicates dry conditions in the top 2-3 inches of soil. Be careful not to over-water. If your soil is compact and resists absorption of water, use a small garden fork to gently loosen soil, mix in the humus, and improve air and moisture penetration in the root zone. A diluted soluble fertilizer, high in phosphorous (e.g. 10-52-10), or bone meal mixed well into the soil, will encourage root growth if applied during planting.

Planting in Hot Weather – When planting in sunny, hot summer weather, temporary shading will greatly assist plant survival and establishment. Use cedar shingles pushed into the soil, wood scraps, or sheer fabric supported by small stakes (e.g. bamboo). Remove shading after a few days when the plant begins to grow.

Pests – Rabbits and snails like young nursery plants; blood meal powder or hardware cloth enclosures can be used to protect during establishment. Snails can be hand-picked in early evening and pickled in vinegar.

Grand Moraine Growers

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