

The following tables are based on the second half of the West Virginia Pollen Project “Defining Honey Bee Pollen Sources in Appalachia, July through October” funded through Northeast Sare in 2017, using samples collected 2013 through 2015. Pollen was collected at hive entrances for one daylight period, usually from at least 3 colonies per location, at 5 locations in West Virginia. Two such samples for each month, March through June were prepared and analyzed for the pollen types present, counting 400 grains from each sample.

**Pollen Type Importance to Honey Bees, by % of total daily intake (TDI) and Weight**

**Organized by maximum percentage found in any sample.**

**Types found July through October, West Virginia 2013-2015, Northeast SARE FNE17-882**

\* max % and max wt in different samples

<b>Scientific Name</b>	<b>Common Name</b>	<b>Max % of TDI</b>	<b>Max weight /hive /day, lbs</b>	
Solidago / Aster / Ageratina.	Goldenrod, Aster, Snakeroot	99.75	0.2223	*
Rhus copallina	Sumac, Winged	99.25	0.71851	*
Melilotus & Trifolium repens	Clover, Sweet & White Ladino	98.5	0.0656	
Lonicera	Honeysuckle	89	0.00255	
Parthenococcus	Virginia Creeper type	87.25	0.15705	
Zea mays	Corn	82	0.04442	
Ambrosia	Ragweed (Giant)	70.75	0.05536	
Eupatorium type (Asteraceae)	Thoroughwort type (Asteraceae)	61.75	0.02025	
Chenopodium/Amaranth	Lambsquarters / Amaranth	58.75	0.00459	
Verbesina / Helianthus	Wingstem / Sunflower type	41.25	0.21656	*
Plantago	Plantain	38.5	0.08288	*
Cichorium / Lactuca type	Chickory, Lettuce	31.25	0.04	
Clematis virginiana	Virgin's Bower	30	0.01133	*
Castanea / Notholithocarpus	Chestnut / Chinkapin / Tanoak	27.25	0.00213	*
Trifolium pratense	Clover, Red	20.75	0.02295	*
Elephantopus	Elephant's Foot	19.25	0.00752	
Sambucus	Elderberry	11.5	0.00546	
Conoclinium / Centaurea type	Mistflower / Knapweed type	10.25	0.02226	
Impatiens capensis	Jewel-weed	10	0.01316	*
Rumex	Dock	7.25	0.00785	
Rubus / Rosa	Bramble Berries, Rose	6.75	0.00488	*
Cirsium altissimum	Tall Common Thistle	6.75	0.00221	

Tilia	Basswood	4.75	0.00226	
Apiaceae (i.e. Daucus)	Wild Carrot	4.75	0.00218	
Vernonia	Ironweed	4.75	0.00434	*
Chrysanthemum / Matricaria	Daisy / Chamomile type	4.5	0.00028	
Poaceae	Grass	4	0.00094	
Dipsacus fullonums	Teasel	2.75	0.00026	*
Xanthium type	Cocklebur type	2.25	0.01477	
Typha	Cattail	1.75	0.00083	
Humulus / Cannabis type	Hops / Marijuana type	1.75	0.00265	
Dianthus	Sweet William type	1.75	0.00048	*
Hosta	Hosta	1.25	0.00045	*
Centaurea cyanus type	Cornflower type	1.25	0.00029	
Verbena type	Verbena type	1.25	0.00546	*
Phytolacca	Pokeweed	0.75	0.00003	
Magnolia	Magnolia	0.5	0.00023	
Rhus glabra	Sumac, Smooth	0.5	0.00024	
Oenothera, likely speciosa	Evening Primrose	0.25	0.00017	
Ocimum basilicum	Sweet Basil	0.25	0.00006	
Persicaria / Polygonum	Smartweed type	0.25	0.00164	
Cirsium arvense	Canada Thistle	0	0	
Hibiscus syriacus	Rose of Sharon	0	0	
Polygonum cuspidatum	Japanese Knotweed	0	0	
Sedum	Late Stonecrop	0	0	

## Pollen Type Importance to Honey Bees, by % of total daily intake (TDI) and Weight

Organized by maximum weight collected per colony per day.

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Hibiscus syriacus	Rose of Sharon	0	0	
Polygonum cuspidatum	Japanese Knotweed	0	0	
Sedum	Late Stonecrop	0	0	

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