

### Newtown High Meadow Vegetation Plots

\* = Vegetative grass that was not identifiable. It's percent cover was added to other European agricultural grasses as a combined value.

'combined' = value of all European agricultural grasses in the plot. Includes species indicated with asterisk (\*).

Plot 1			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	50	
arrowwood	Viburnum dentatum	2	
cow vetch	Vicia cracca	2	
whorled bedstraw	Galium mollugo	2	
blackberry	Rubus allegheniensis	10	
invasive honeysuckle	Lonicera x bella	2	
Asian bittersweet	Celastrus orbiculatus	1	

Plot 2			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	*	
timothy	Phleum pratense	*	
tall oat grass	Arrhenatherum elatius	98	Combined
cow vetch	Vicia cracca	2	

Plot 3			
common name	scientific name	% percent cover	
Creeping wild-rye/quackgrass	Elymus repens	*	
orchard grass	Dactylis glomerata	*	
smooth brome	Bromus inermis	85	Combined
butter and eggs	Linaria vulgaris	12	
whorled bedstraw	Galium mollugo	3	

Plot 4			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	5	
whorled bedstraw	Galium mollugo	10	
cow vetch	Vicia cracca	1	
butter and eggs	Linaria vulgaris	1	
tower-mustard	Turritis glabra	1	
orchard grass	Dactylis glomerata	*	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	82	Combined

Plot 5			
common name	scientific name	% percent cover	
tower-mustard	Turritis glabra	2	
horsenettle	Solanum carolinense	10	
dewberry	Rubus flagellaris	5	
butter and eggs	Linaria vulgaris	20	
cow vetch	Vicia cracca	3	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	*	
timothy	Phleum pratense	60	Combined

Plot 6			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	15	
Creeping wild-rye/quackgrass	Elymus repens	*	
tall oat grass	Arrhenatherum elatius	*	
sweet vernal grass	Anthoxanthum odoratum	85	Combined

Plot 7			
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<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	5	
cow vetch	Vicia cracca	5	
tower-mustard	Turritis glabra	1	
whorled bedstraw	Galium mollugo	1	
Creeping wild-rye/quackgrass	Elymus repens	*	
tall oat grass	Arrhenatherum elatius	*	
sweet vernal grass	Anthoxanthum odoratum	*	
smooth brome	Bromus inermis	88	Combined

Plot 8			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	8	
cow vetch	Vicia cracca	2	
Creeping wild-rye/quackgrass	Elymus repens	*	
tall oat grass	Arrhenatherum elatius	*	
sweet vernal grass	Anthoxanthum odoratum	*	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	90	Combined

Plot 9			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	12	
cow vetch	Vicia cracca	1	
whorled bedstraw	Galium mollugo	2	
Creeping wild-rye/quackgrass	Elymus repens	*	
sweet vernal grass	Anthoxanthum odoratum	*	
timothy	Phleum pratense	85	Combined

Plot 10			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	15	

cow garlic	Allium vineale	1	
cow vetch	Vicia cracca	4	
Creeping wild-rye/quackgrass	Elymus repens	*	
timothy	Phleum pratense	*	
tall oat grass	Arrhenatherum elatius	*	
orchard grass	Dactylis glomerata	80	Combined

Plot 11			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
whorled bedstraw	Galium mollugo	3	
sheep's sorrel	Rumex acetosella	5	
common yellow woodsorrel	Oxalis stricta	1	
cow vetch	Vicia cracca	1	
smooth brome	Bromus inermis	80	

Plot 12			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow vetch	Vicia cracca	5	
smooth brome	Bromus inermis	*	
timothy	Phleum pratense	*	
tall oat grass	Arrhenatherum elatius	95	Combined

Plot 13			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow vetch	Vicia cracca	2	
smooth brome	Bromus inermis	*	
Creeping wild-rye/quackgrass	Elymus repens	98	Combined

Plot 14			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow vetch	Vicia cracca	1	

butter and eggs	Linaria vulgaris	1	
whorled bedstraw	Galium mollugo	1	
smooth brome	Bromus inermis	*	
timothy	Phleum pratense	*	
tall oat grass	Arrhenatherum elatius	97	Combined

Plot 15			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow vetch	Vicia cracca	1	
horsenettle	Solanum carolinense	5	
butter and eggs	Linaria vulgaris	5	
whorled bedstraw	Galium mollugo	1	
tower-mustard	Turritis glabra	1	
tall oat grass	Arrhenatherum elatius	*	
sweet vernal grass	Anthoxanthum odoratum	87	Combined

Plot 16			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
butter and eggs	Linaria vulgaris	1	
horsenettle	Solanum carolinense	15	
whorled bedstraw	Galium mollugo	2	
cow vetch	Vicia cracca	2	
smooth brome	Bromus inermis	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
sweet vernal grass	Anthoxanthum odoratum	80	Combined

Plot 17			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	5	
tower-mustard	Turritis glabra	1	
whorled bedstraw	Galium mollugo	1	
smooth brome	Bromus inermis	*	

Creeping wild-rye/quackgrass	<i>Elymus repens</i>	*	
tall oat grass	<i>Arrhenatherum elatius</i>	93	Combined

Plot 18			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow vetch	<i>Vicia cracca</i>	5	
horsenettle	<i>Solanum carolinense</i>	5	
butter and eggs	<i>Linaria vulgaris</i>	10	
whorled bedstraw	<i>Galium mollugo</i>	10	
tall oat grass	<i>Arrhenatherum elatius</i>	*	
smooth brome	<i>Bromus inermis</i>	*	
Creeping wild-rye/quackgrass	<i>Elymus repens</i>	70	Combined

Plot 19			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	<i>Solanum carolinense</i>	10	
cow vetch	<i>Vicia cracca</i>	5	
smooth brome	<i>Bromus inermis</i>	*	
tall oat grass	<i>Arrhenatherum elatius</i>	*	
Creeping wild-rye/quackgrass	<i>Elymus repens</i>	85	Combined

Plot 20			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	<i>Solanum carolinense</i>	5	
cow vetch	<i>Vicia cracca</i>	1	
common yellow woodsorrel	<i>Oxalis stricta</i>	1	
tall oat grass	<i>Arrhenatherum elatius</i>	*	
smooth brome	<i>Bromus inermis</i>	93	Combined

Plot 21			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	

smooth brome	Bromus inermis	80	
Asian bittersweet	Celastrus orbiculatus	5	
glossy buckthorn	Frangula alnus	2	
burning bush	Euonymus alatus	1	
poison ivy	Toxicodendron radicans	10	
cow vetch	Vicia cracca	1	
Virginia creeper	Parthenocissus quinquefolia	1	

Plot 22			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
cow garlic	Allium vineale	1	
butter and eggs	Linaria vulgaris	1	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	98	Combined

Plot 23			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
butter and eggs	Linaria vulgaris	10	
horsenettle	Solanum carolinense	5	
whorled bedstraw	Galium mollugo	3	
cow vetch	Vicia cracca	2	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	80	Combined

Plot 24			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	25	
cow vetch	Vicia cracca	20	
whorled bedstraw	Galium mollugo	10	
butter and eggs	Linaria vulgaris	1	
tower-mustard	Turritis glabra	1	
smooth brome	Bromus inermis	*	

tall oat grass	Arrhenatherum elatius	53	Combined
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Plot 25			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	10	
cow vetch	Vicia cracca	3	
butter and eggs	Linaria vulgaris	1	
whorled bedstraw	Galium mollugo	1	
timothy	Phleum pratense	*	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	85	Combined

Plot 26			
common name	scientific name	% percent cover	
butter and eggs	Linaria vulgaris	2	
horsenettle	Solanum carolinense	5	
whorled bedstraw	Galium mollugo	40	
tall oat grass	Arrhenatherum elatius	*	
orchard grass	Dactylis glomerata	53	Combined

Plot 27			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	15	
butter and eggs	Linaria vulgaris	1	
whorled bedstraw	Galium mollugo	5	
cow vetch	Vicia cracca	5	
tall oat grass	Arrhenatherum elatius	74	

Plot 28			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	10	



whorled bedstraw	Galium mollugo	5	
tall oat grass	Arrhenatherum elatius	*	
orchard grass	Dactylis glomerata	*	
Creeping wild-rye/quackgrass	Elymus repens	85	Combined

Plot 29			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	15	
cow vetch	Vicia cracca	5	
tall oat grass	Arrhenatherum elatius	*	
Creeping wild-rye/quackgrass	Elymus repens	80	Combined

Plot 30			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	10	
cow vetch	Vicia cracca	2	
whorled bedstraw	Galium mollugo	1	
orchard grass	Dactylis glomerata	*	
tall oat grass	Arrhenatherum elatius	*	
smooth brome	Bromus inermis	87	Combined

Plot 31			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
leaf litter		40	
invasive honeysuckle	Lonicera x bella	2	
Virginia creeper	Parthenocissus quinquefolia	10	
whorled bedstraw	Galium mollugo	10	
red maple	Acer rubrum	2	
winterberry	Ilex verticillata	2	
cow vetch	Vicia cracca	1	
hop clover	Trifolium campestre	3	
smooth brome	Bromus inermis	30	

Plot 32			
common name	scientific name	% percent cover	
cow vetch	Vicia cracca	3	
whorled bedstraw	Galium mollugo	2	
sweet vernal grass	Anthoxanthum odoratum	*	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	95	Combined

Plot 33			
common name	scientific name	% percent cover	
whorled bedstraw	Galium mollugo	10	
cow vetch	Vicia cracca	5	
smooth brome	Bromus inermis	*	
tall oat grass	Arrhenatherum elatius	*	
timothy	Phleum pratense	85	Combined

Plot 34			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	10	
cow vetch	Vicia cracca	40	
tower-mustard	Turritis glabra	1	
whorled bedstraw	Galium mollugo	20	
tall oat grass	Arrhenatherum elatius	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
timothy	Phleum pratense	29	Combined

Plot 35			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	20	
cow vetch	Vicia cracca	30	

smooth brome	Bromus inermis	50	
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Plot 36			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	15	
dewberry	Rubus flagellaris	20	
orchard grass	Dactylis glomerata	*	
sweet vernal grass	Anthoxanthum odoratum	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
tall oat grass	Arrhenatherum elatius	65	Combined

Plot 37			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	25	
black cherry	Prunus serotina	1	
butter and eggs	Linaria vulgaris	1	
cow vetch	Vicia cracca	1	
smooth brome	Bromus inermis	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
sweet vernal grass	Anthoxanthum odoratum	72	Combined

Plot 38			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	3	
whorled bedstraw	Galium mollugo	22	
tall oat grass	Arrhenatherum elatius	*	
orchard grass	Dactylis glomerata	75	Combined

Plot 39			
common name	scientific name	% percent cover	
horsenettle	Solanum carolinense	25	

whorled bedstraw	Galium mollugo	1	
timothy	Phleum pratense	*	
tall oat grass	Arrhenatherum elatius	74	Combined

Plot 40			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
horsenettle	Solanum carolinense	20	
whorled bedstraw	Galium mollugo	5	
tall oat grass	Arrhenatherum elatius	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
smooth brome	Bromus inermis	75	Combined

Plot 41			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
whorled bedstraw	Galium mollugo	1	
hawkweed	Hieracium sp.	1	
tall oat grass	Arrhenatherum elatius	*	
Creeping wild-rye/quackgrass	Elymus repens	*	
smooth brome	Bromus inermis	98	Combined

Plot 42			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
whorled bedstraw	Galium mollugo	2	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	98	Combined

Plot 43			
<b>common name</b>	<b>scientific name</b>	<b>% percent cover</b>	
tall oat grass	Arrhenatherum elatius	*	
smooth brome	Bromus inermis	96	Combined
cow vetch	Vicia cracca	3	

whorled bedstraw	Galium mollugo	1	
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Plot 44			
common name	scientific name	% percent cover	
cow vetch	Vicia cracca	1	
whorled bedstraw	Galium mollugo	4	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	95	Combined
hawkweed	Hieracium sp.	<1	

Plot 45			
common name	scientific name	% percent cover	
whorled bedstraw	Galium mollugo	20	
smooth brome	Bromus inermis	*	
timothy	Phleum pratense	60	Combined
horsenettle	Solanum carolinense	20	

Plot 46			
common name	scientific name	% percent cover	
whorled bedstraw	Galium mollugo	2	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	98	Combined

Plot 47			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	*	
timothy	Phleum pratense	98	Combined
whorled bedstraw	Galium mollugo	1	
cow vetch	Vicia cracca	1	

Plot 48			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	*	
timothy	Phleum pratense	97	Combined
whorled bedstraw	Galium mollugo	3	

Plot 49			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	42	Combined
whorled bedstraw	Galium mollugo	55	
horsenettle	Solanum carolinense	2	
glossy buckthorn	Frangula alnus	1	

Plot 50			
common name	scientific name	% percent cover	
smooth brome	Bromus inermis	*	
orchard grass	Dactylis glomerata	60	Combined
whorled bedstraw	Galium mollugo	38	
horsenettle	Solanum carolinense	2	