

Healall

Prunella vulgaris L. (PRVU)

Species description: Healall is a native perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves opposite, petioles, ovate, some hairs to smooth; stems square, hairy; flowers dense spike at end of stem, fused tube of petals, purple.

Similar species: Purple deadnettle; henbit; creeping thyme.

Abundance in the Northeast: Healall was found on 55% of the farms sampled and 39% of the pastures. Its average cover was 0.9% where present (range 0.1 - 6.2%).



Illustration 134: Healall



Wild garlic

Allium vineale L. (ALVI)

Species description: Wild garlic is an introduced perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves grass like, hollow, round, smells of onion; flowers globe shaped, top of stem, purple-pink.

Similar species: wild onion, grasses

Abundance in the Northeast: Wild garlic was found on 11% of the farms sampled and 7% of the pastures. Its average cover was 0.3% where present (range 0.1 - 1.4%).



Illustration 135: Wild garlic



Velvetleaf

Abutilon theophrasti Medik. (ABTH)

Species description: Velvetleaf is an introduced annual forb. It is not usually described as a forage species.

Identifying characteristics: Leaves large, heart shaped, soft-hairy, toothed margins, long petioles; stems unbranched, hairy; flowers yellow, 5 petals, cup shaped seed disk.

Similar species: common mallow

Abundance in the Northeast: Velvetleaf was found on 16% of the farms sampled and 8% of the pastures. Its average cover was 0.1% where present (range 0.1 - 0.1%).



Illustration 136: Velvetleaf



Musk mallow

Malva moschata L. (MAMO2)

Species description: Musk mallow is an introduced perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves alternate, deeply-divided into narrow segments; flowers 1.5-2" wide, white or pink, petals indented at tip.

Similar species: Common mallow; Venice mallow.

Abundance in the Northeast: Musk mallow was found on 25% of the farms sampled and 8% of the pastures. Its average cover was 0.5% where present (range 0.2 - 1.4%).



Illustration 137: Musk mallow



Common mallow

Malva neglecta Wallr. (MANE)

Species description: Common mallow is an introduced annual, biennial or perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves round, alternate, palmately veined, toothed margins, short hairs; stems hairy; flowers 5 petals, white to lavender, on stalks, fruit resemble button.

Similar species: Musk mallow

Abundance in the Northeast: Common mallow was found on 18% of the farms sampled and 12% of the pastures. Its average cover was 0.3% where present (range 0.2 - 0.3%).



Illustration 138: Common mallow



Carpet weed

Mollugo verticillata L. (MOVE)

Species description: Carpet weed is a native annual forb. It is not usually described as a forage species.

Identifying characteristics: Leaves in whorls, 3-8 at each stem node, smooth, 1-3 cm long; stems smooth, very branched forming mat; flowers 2-5 in leaf axis, small, white to green.

Similar species: prostrate knotweed; bedstraw; stitchwort

Abundance in the Northeast: Carpet weed was found on 20% of the farms sampled and 9% of the pastures. Its average cover was 0.9% where present (range 0.1 - 3.5%).



Illustration 139: Carpet weed



Evening primrose

Oenothera biennis L. (OEBI)

Species description: Evening primrose is a native biennial forb. It is not usually described as a forage species.

Identifying characteristics: Erect growth habit; leaves alternate, entire (unlobed) margins, slightly toothed; flowers yellow, four broad petals, indented at tip, 1-2" wide.

Similar species: cutleaf primrose

Abundance in the Northeast: Evening primrose was found on 7% of the farms sampled and 2% of the pastures. Its average cover was 0.4% where present (range 0.2 - 0.5%).



Illustration 140: Evening primrose



Yellow wood sorrel

Oxalis stricta L. (OXST)

Species description: Yellow wood sorrel is a native perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves clover like, alternate, long petioles, 3 heart shaped leaflets, smooth; stems hairy, erect; flowers yellow, five-petals, on long stalks,

Similar species: clovers

Abundance in the Northeast: Yellow wood sorrel was found on 91% of the farms sampled and 68% of the pastures. Its average cover was 0.5% where present (range 0.1 - 4.2%).



Illustration 141: Yellow wood sorrel



Pokeweed

Phytolacca americana L. (PHAM4)

Species description: Pokeweed is a native perennial forb. It is not usually described as a forage species.

Identifying characteristics: Large tree-like perennial; leaves alternate, egg shaped, entire, reddish; stems smooth, red, branched above; fruit berries, purple to black, red juice.

Similar species: japanese knotweed.

Abundance in the Northeast: Pokeweed was found on 9% of the farms sampled and 5% of the pastures. Its average cover was 0% where present (range 0 - 0%).



Illustration 142: Pokeweed



English or narrow plantain

Plantago lanceolata L. (PLLA)

Species description: English plantain is an introduced annual, biennial or perennial forb. It is not usually described as a forage species.

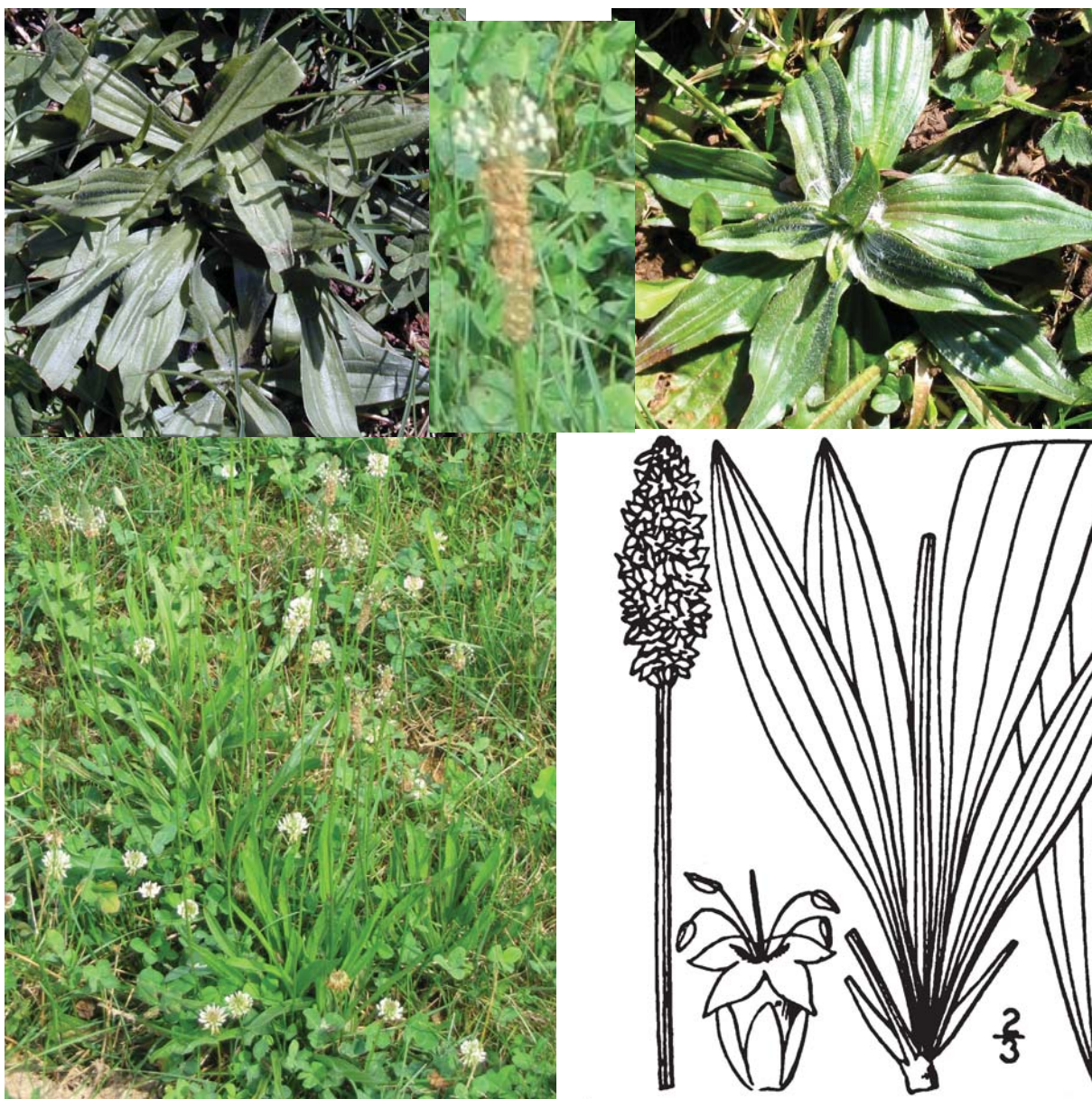
Identifying characteristics: Leaves narrow, often twisting, remain in rosette, parallel veins, long silky hairs; flowers at tip of stalk;

Similar species: Common plantain.

Abundance in the Northeast: English plantain was found on 75% of the farms sampled and 71% of the pastures. Its average cover was 2.2% where present (range 0.1 - 11.7%).



Illustration 143: English plantain



Common or broadleaf plantain

Plantago major L. (PLMA2)

Species description: Common plantain is a native perennial forb. It is not usually described as a forage species.

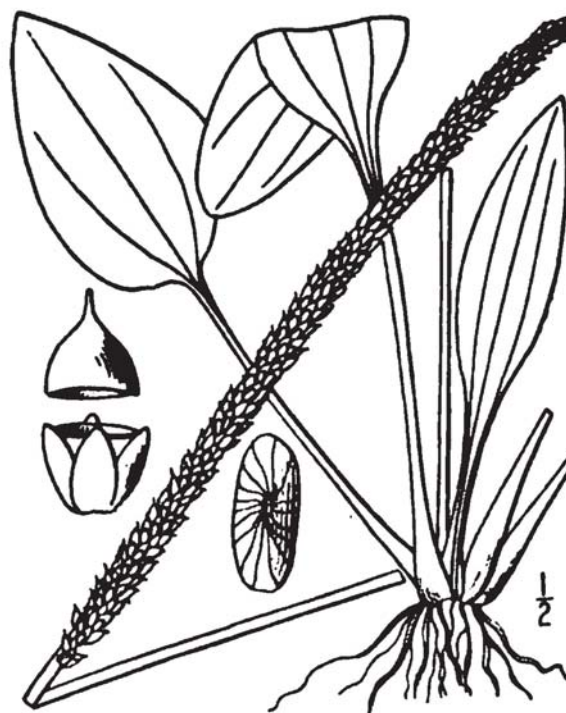
Identifying characteristics: Leaves broad oval, smooth, remain in rosette, parallel veins, petiole reddish at base; flowers along entire length of stalk.

Similar species: English plantain.

Abundance in the Northeast: Common plantain was found on 98% of the farms sampled and 90% of the pastures. Its average cover was 4.4% where present (range 0.1 - 49.5%).



Illustration 144: Common plantain



Prostrate knotweed

Polygonum aviculare L. (POAV)

Species description: Prostrate knotweed is an introduced annual or perennial forb. It is not usually described as a forage species.

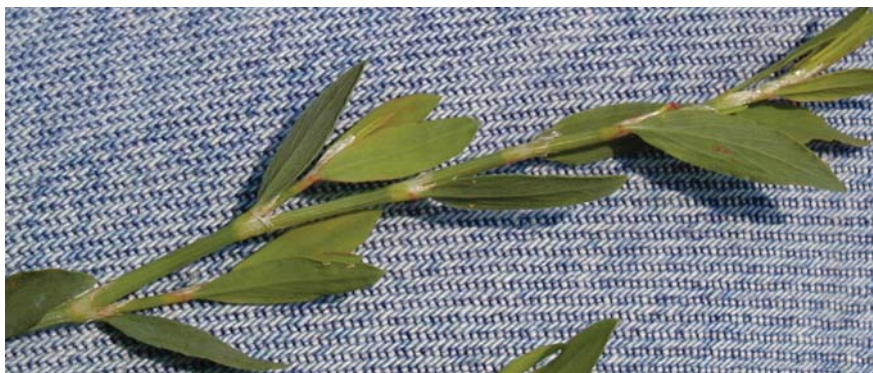
Identifying characteristics: Spreads along ground; leaves alternate, elliptic, sheath where leaf meets stem; stems swollen at node; flowers white, axillary clusters.

Similar species: Smartweeds.

Abundance in the Northeast: Prostrate knotweed was found on 61% of the farms sampled and 47% of the pastures. Its average cover was 1.3% where present (range 0.1 - 12.4%).



Illustration 145:
Prostrate knotweed



Black bindweed

Polygonum convolvulus L. (POCO10)

Species description: Black bindweed is an introduced annual vine. It is not usually described as a forage species.

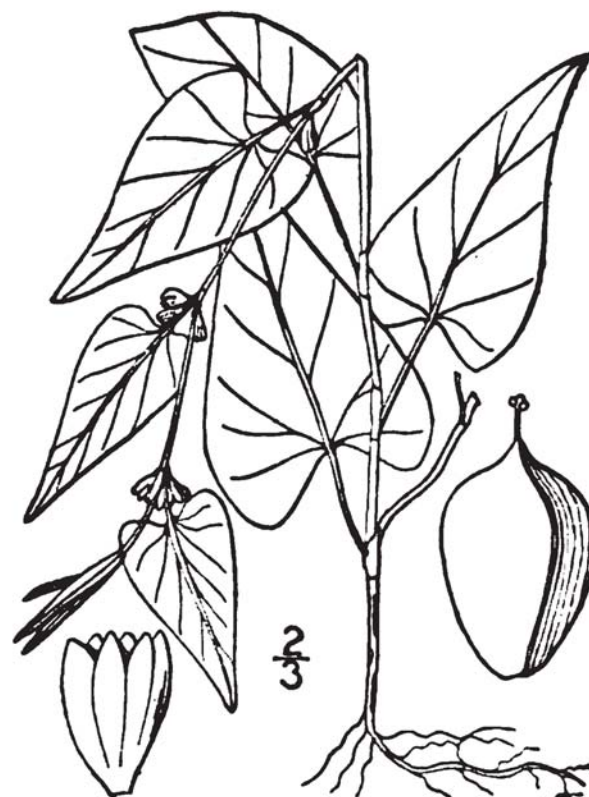
Identifying characteristics: Viny, leaves smooth, alternate, triangular, basal lobes point toward plant, sheath where leaf meets stem; flowers white, racemes, axillary; seeds winged.

Similar species: Hedge bindweed; field bindweed

Abundance in the Northeast: Black bindweed was found on 14% of the farms sampled and 5% of the pastures. Its average cover was 0.3% where present (range 0.1 - 0.6%).



Illustration 146:
Black bindweed



Erect knotweed

Polygonum erectum L. (POER2)

Species description: Erect knotweed is a native annual forb. It is not usually described as a forage species.

Identifying characteristics: Leaves alternate, entire, yellow-green, sheath where leaf meets stem; flowers in axils, white; not creeping.

Similar species: Prostrate knotweed; smartweeds.

Abundance in the Northeast: Erect knotweed was found on 14% of the farms sampled and 10% of the pastures. Its average cover was 0.3% where present (range 0.1 - 1.2%).



Illustration 147:
Erect knotweed



Dockleaf smartweed

Polygonum lapathifolium L. (POLA4)

Species description: Dockleaf smartweed is a native annual forb. It is not usually described as a forage species.

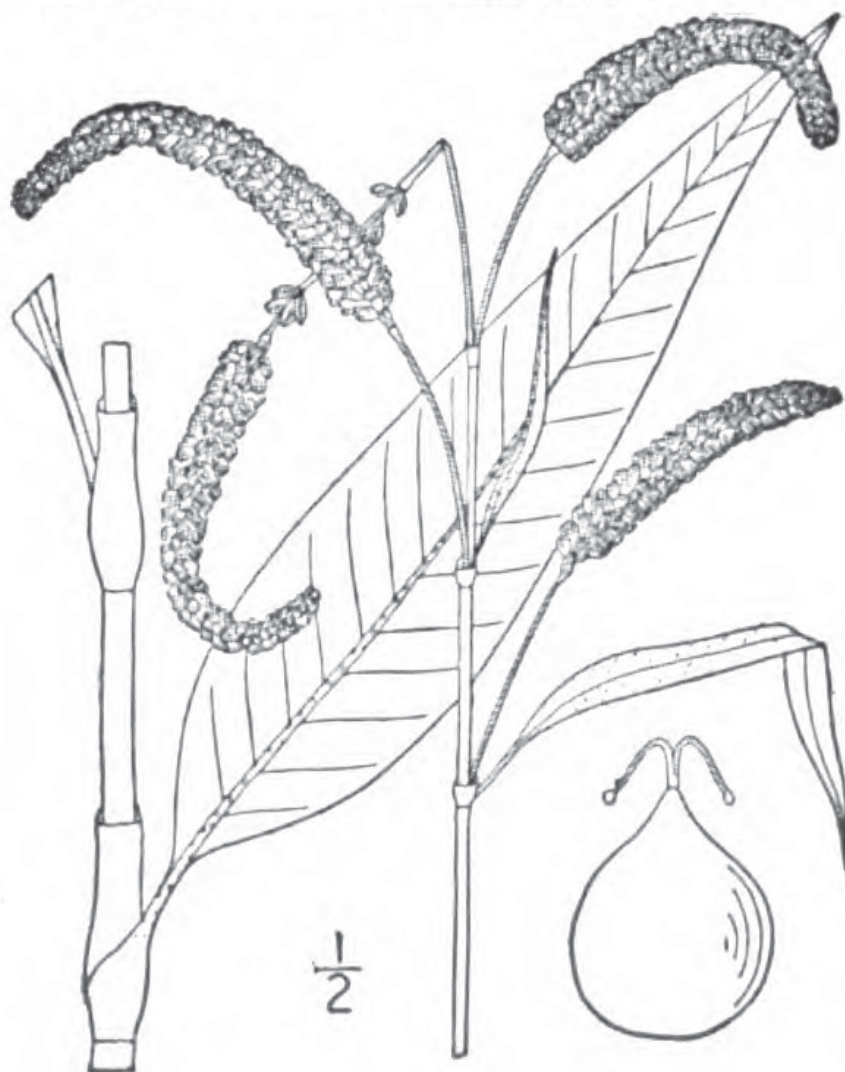
Identifying characteristics: Leaves alternate, entire, narrow, smooth, sheath with no fringe where leaf meets stem; stems smooth, wiry; flowers pink in nodding spikes.

Similar species: other smartweeds.

Abundance in the Northeast: Dockleaf smartweed was found on 18% of the farms sampled and 13% of the pastures. Its average cover was 0.4% where present (range 0.1 - 1.4%).



Illustration 148:
Dockleaf smartweed



Pennsylvania smartweed

Polygonum pensylvanicum L. (POPE2)

Species description: Pennsylvania smartweed is a native annual forb. It is not usually described as a forage species.

Identifying characteristics: Leaves alternate, smooth, elliptic; stems reddish, swollen and jointed at nodes, short hairs on upper stems, sheath with no fringe where leaf meets stem; flowers pink, in erect spikes.

Similar species: Spotted ladythumb; dockleaf smartweed.

Abundance in the Northeast: Pennsylvania smartweed was found on 59% of the farms sampled and 40% of the pastures. Its average cover was 1.1% where present (range 0.1 - 12.7%).



Illustration 149 :
Pennsylvania smartweed



Spotted ladysthumb

Polygonum persicaria L. (POPE3)

Species description: Spotted ladysthumb is an introduced perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves alternate, elliptic, smooth, sheath and long fringe where leaf meets stem, often purple blotch in center; stems swollen at nodes, smooth, reddish; flowers pink in erect spikes.

Similar species: Pennsylvania smartweed; dockleaf smartweed.

Abundance in the Northeast: Spotted ladysthumb was found on 16% of the farms sampled and 16% of the pastures. Its average cover was 1.2% where present (range 0.1 - 6.1%).



Illustration 150:
Spotted ladysthumb



Red sorrel

Rumex acetosella L. (RUAC3)

Species description: Red sorrel is an introduced perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves mostly basal, arrowhead shaped, petiolated, sparsely alternate on stem, papery sheath at leaf node; flowers panicles reddish; sour taste.

Similar species: unique leaf shape

Abundance in the Northeast: Red sorrel was found on 27% of the farms sampled and 16% of the pastures. Its average cover was 0.6% where present (range 0.1 - 2.3%).



Illustration 151: Red sorrel



Curly dock

Rumex crispus L. (RUCR)

Species description: Curly dock is an introduced perennial forb. It is not usually described as a forage species.

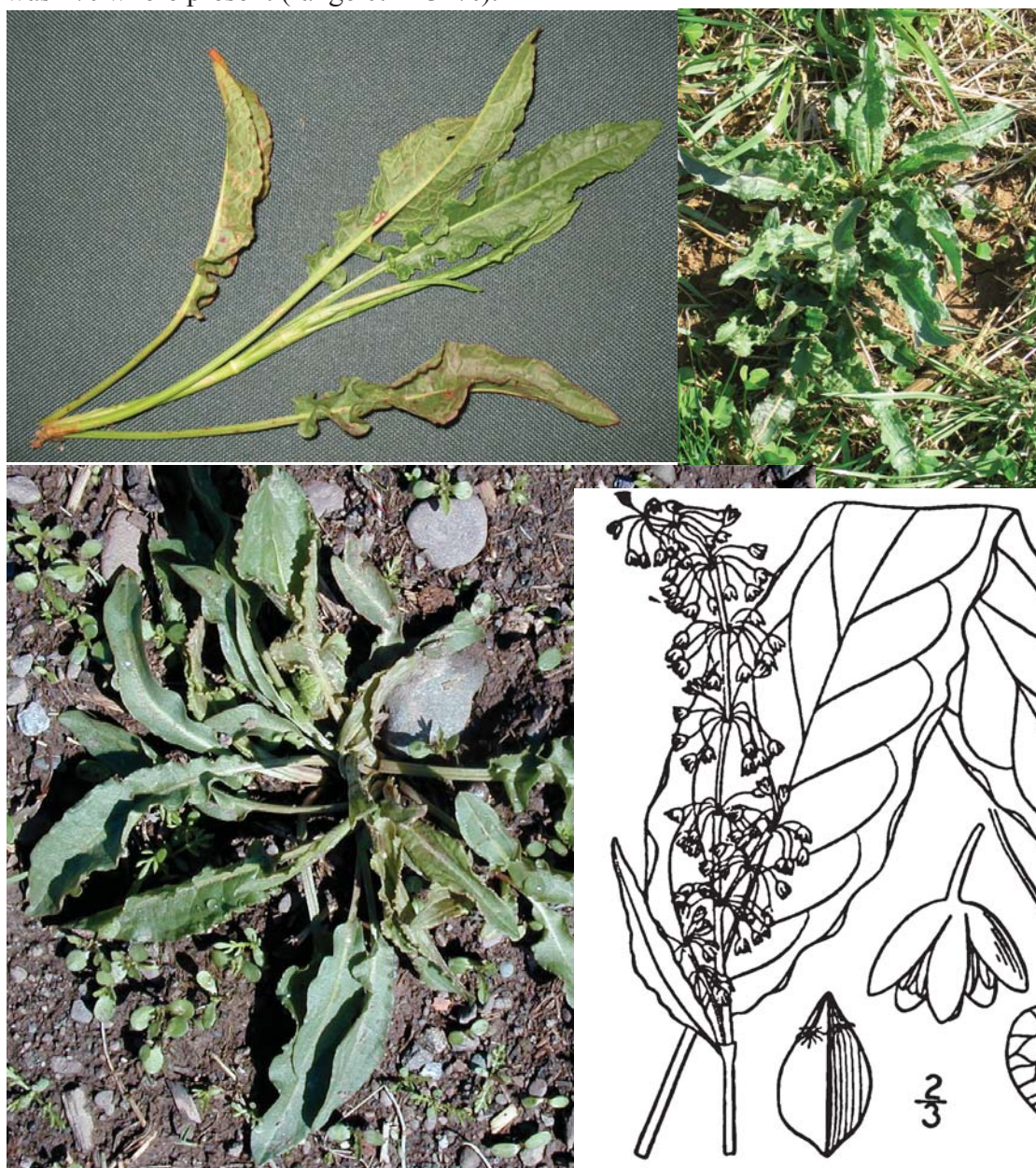
Identifying characteristics: Leaves basal, narrow, wavy margins, shiny, reddish; stems smooth, ridged, reddish, sheath at node; flowers clustered upper portions of stem, greenish.

Similar species: broadleaf dock.

Abundance in the Northeast: Curly dock was found on 84% of the farms sampled and 70% of the pastures. Its average cover was 2% where present (range 0.1 - 31%).



Illustration 152: Curly dock



Broadleaf or bitter dock

Rumex obtusifolius L. (RUOB)

Species description: Broadleaf or bitter dock is an introduced perennial forb. It is not usually described as a forage species.

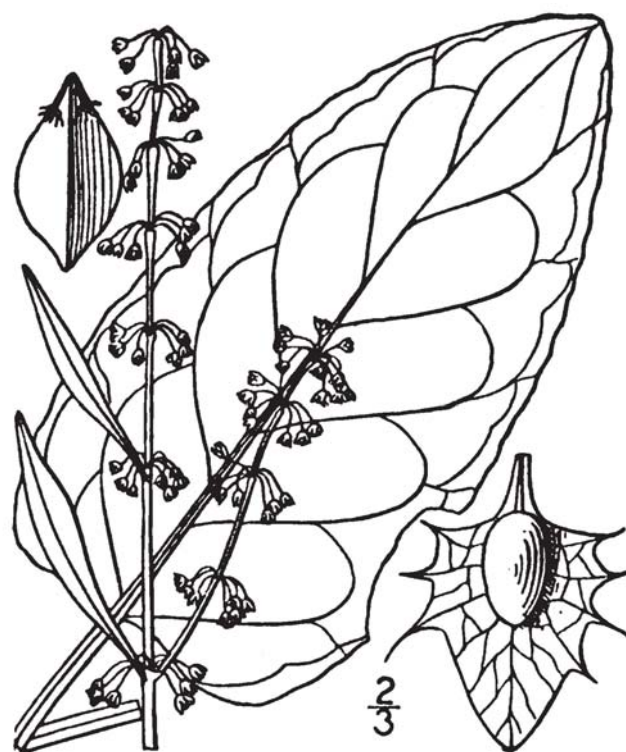
Identifying characteristics: Leaves alternate large, less wavy, heart shaped, smooth, red veined, mostly basal; flowers stalked, greenish,

Similar species: Curly dock

Abundance in the Northeast: Broadleaf dock was found on 50% of the farms sampled and 37% of the pastures. Its average cover was 1.6% where present (range 0.1 - 8.3%).



Illustration 153: Broadleaf dock



Purslane

Portulaca oleracea L. (POOL)

Species description: Purslane is a native annual forb. It is not usually described as a forage species.

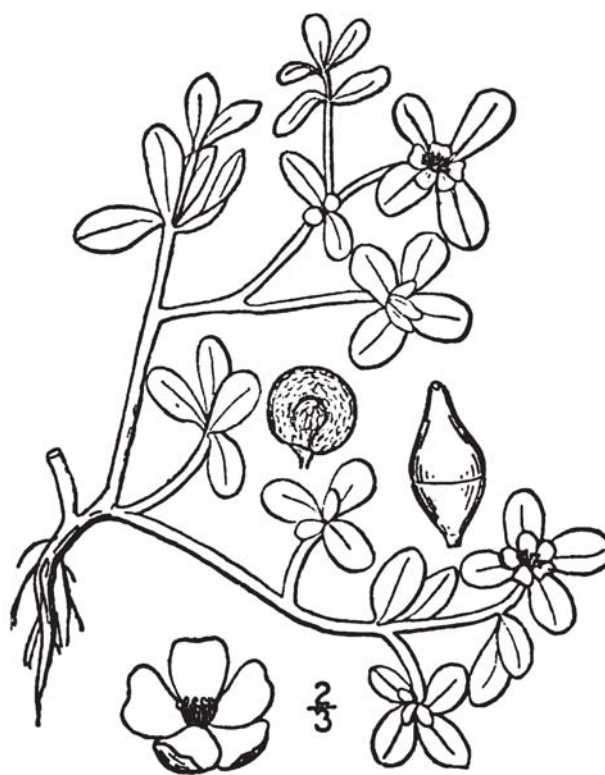
Identifying characteristics: Prostrate; leaves thick and fleshy, opposite or alternate, smooth, spatulate, no petioles, no sheath; stems, smooth, red; flowers yellow, clustered at end of stem.

Similar species: spurge; prostrate knotweed

Abundance in the Northeast: Purslane was found on 18% of the farms sampled and 11% of the pastures. Its average cover was 0.2% where present (range 0.1 – 0.4%).



Illustration 154: Purslane



Scarlet pimpernel

Anagallis arvensis L. (ANAR)

Species description: Scarlet pimpernel is an introduced annual or biennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves opposite, egg shaped, sometimes whorls of 3; stems smooth, square; flowers bell shaped, leaf axils, long nodding stalks, salmon to red.

Similar species: common shickweed

Abundance in the Northeast: Scarlet pimpernel was found on 11% of the farms sampled and 6% of the pastures. Its average cover was 0.4% where present (range 0.1 - 1.8%).



Illustration 155: Scarlet pimpernel



Money wort

Lysimachia nummularia L. (LYNU)

Species description: Money wort is an introduced perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves smooth, dots on surface, opposite, square to round, pointed tip; stems root at nodes; flowers bright yellow, stalked in axils.

Similar species: thymeleaf speedwell; common chickweed.

Abundance in the Northeast: Money wort was found on 16% of the farms sampled and 7% of the pastures. Its average cover was 0.7% where present (range 0.2 - 1.4%).

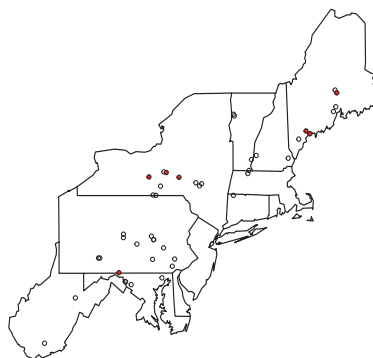


Illustration 156: Scarlet pimpernel



Tall buttercup

Ranunculus acris L. (RAAC3)

Species description: Tall buttercup is an introduced perennial forb. It is not usually described as a forage species.

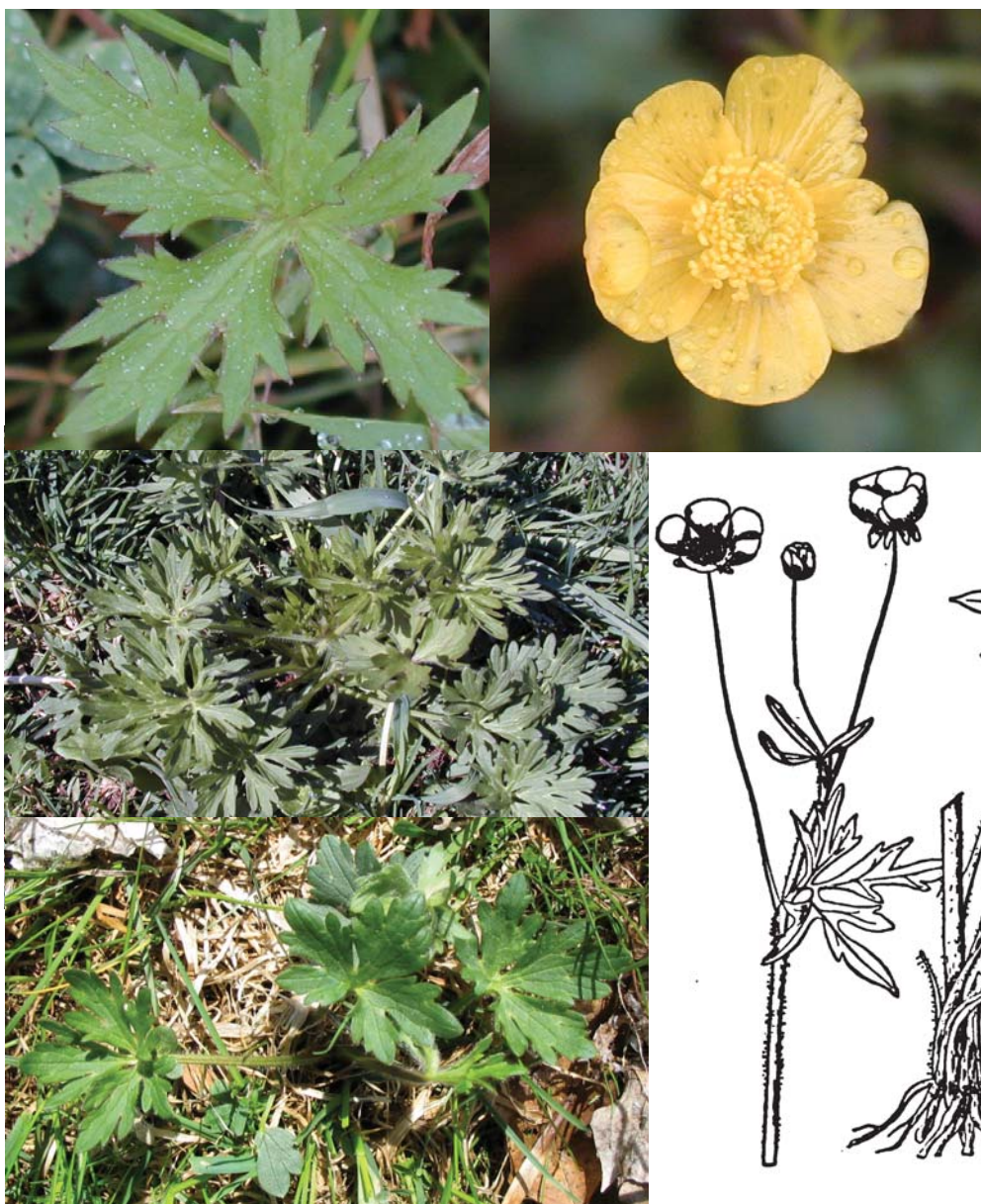
Identifying characteristics: Leaves alternate, divided into 3-7 deeply cleft parts, all stalkless; Stems erect, hairy; flowers yellow, long stalks, spreading sepals.

Similar species: other buttercups; cinquefoils; strawberry

Abundance in the Northeast: Tall buttercup was found on 75% of the farms sampled and 59% of the pastures. Its average cover was 1.9% where present (range 0.1 - 13.5%).



Illustration 157: Tall buttercup



Wild strawberry

Fragaria virginiana Duchesne (FRVI)

Species description: Wild strawberry is a native perennial forb. It is not usually described as a forage species.

Identifying characteristics: Leaves basal, trifoliate, long hairy petioles, nearly smooth, toothed margins; Flowers 5 white petals, yellow stamens, 2cm wide; fruit small red strawberries.

Similar species: Indian strawberry; oldfield rough cinquefoil.

Abundance in the Northeast: Wild strawberry was found on 41% of the farms sampled and 23% of the pastures. Its average cover was 1.4% where present (range 0.1 - 5.8%).



Illustration 158: Wild strawberry

