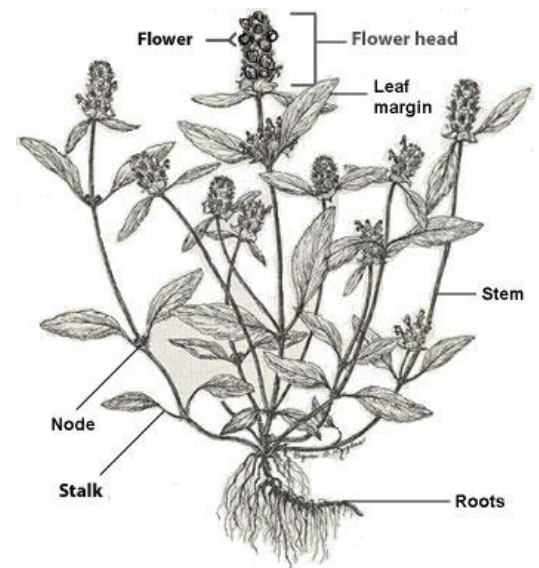


BROADLEAF WEEDS

TITLE:	WILD VIOLET
LATIN NAME:	<i>Viola papilionacea</i>
FAMILY:	Violaceae
OVERALL DESCRIPTION:	
<p>A winter annual or perennial that grows in a clump. The leaves are heart-shaped with early spring and summer flowers containing five petals that are normally purple. Most often found in shady habitats. Is an aggressive plant, spreading by rhizomes, which grow and produce new plants as well as by seeds.</p>	
LIFE CYCLE	Winter annual or perennial
SEASONS OF GROWTH	Active year round.
FLOWERS / SEEDHEAD	Flowers are normally purple, but can sometimes be white or yellow. Flowers are eventually replaced by seed-containing fruit.
LEAF SHAPE	Heart/kidney/spade/linear/oblong
LEAF EDGES	Serrated/toothed
LEAF ARRANGEMENT	Alternate
GROWTH HABIT	Rosette
FULL LEAF SIZE	½ inch to more than 2 inches
STEM CHARACTERISTICS	Basal crown
ROOT	Fibrous
ANY OTHER DISTINGUISHING TRAITS	While considered a weed, they are native and are the larval food source for fritillary butterflies.



Pictures from University of North Carolina State Extension Turf files



Common Typical Broadleaf Weed Structure

TYPE OF SOIL CONDITIONS OR PRACTICES FAVORING GROWTH	Thrive in moist, shady sites, but drought tolerant once established. More common in thinning lawns in poor condition.
KEY MESSAGE TO HOMEOWNER	Wild violets are very difficult to fully remove or to kill. If using herbicide, will require multiple treatments.
CULTURAL CONTROL	Maintain a healthy and dense turf.
MECHANICAL CONTROL	Can be hand pulled, but rhizomes must be fully excavated from the soil or new plants will emerge.
CHEMICAL CONTROL	Use products containing Triclopyr or Penoxsulam. Be prepared to treat multiple times since wild violets are difficult to kill. (Table 5.9, 2020 VCE Pest Management Guide)

SOURCES OF INFORMATION	<p>University of Maryland Extension https://extension.umd.edu/hgic/topics/wild-violet</p> <p>North Carolina State Extension https://www.turffiles.ncsu.edu/weeds-in-turf/wild-violet/</p> <p>Penn State Extension https://extension.psu.edu/lawn-and-turfgrass-weeds-wild-violet</p> <p>VCE Pest Management Guide https://www.pubs.ext.vt.edu/content/dam/pubs_ext_vt_edu/456/456-018/ENTO-336.pdf</p>
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