

Gardening Notes for September

September marks the start of getting the garden – and the gardener – ready for a long winter's rest. I know it seems much too early to think of winter, but it is time to start planning for winter and the year to follow. To this end, consider how best to overwinter and to make room for your favorite non-hardy plants indoors. We still have a good month remaining to plan, so there is no rush! Continue to take good notes and pictures on how you weaved together your annuals and tropicals this year, plus thoughts on how you would like to improve the garden next year. After the first frost these pictures, memories and notes will be all that remains of this year's favorite combinations!

Things to do:

Flowering Plants

- If you have yet to start, take cuttings of your favorite annuals that you wish to overwinter and are easy to root, such as Coleus. The cutting will have rooted out and be ready for up-potting in 4-6 weeks. It is far easier to over-winter a small plant that should be free of most insect and disease than lifting a large plant from the ground or outdoor container and bringing it inside.
- Harvest and clean the seed from those annuals and heirloom vegetables that come true from seed. Allow them to dry and store them in small paper pouches that are properly labeled. It is safest to place them in the refrigerator (not the freezer) until next spring. If the seeds have not dried thoroughly, they could burst in the freezer! Don't forget to label the plants well and add the date of harvest.
- Remove those annuals that look excessively tired or leggy. Some annuals look excellent right up to the first frost while others, such as the *Cleome* pictured above right, are ready for the compost. A note of caution too on composting annuals like *Cleome*, *Rudbeckia* and *Talinum* – the seeds will survive for years and continue to sprout once the compost is spread in your garden!
- Keep removing annual weeds such as crabgrass and stilt grass. Annual weed seed will continue to germinate and appear as long as the temperatures are warm. Getting the weeds out today will save you years of additional work, since the seeds last on average for 7 years!



Bulbs

- Send in your bulb orders now for an October delivery! October is a great month – maybe even the month – for planting bulbs. For autumn blooming bulbs like *Crocus speciosus* (Autumn Crocus) pictured above, they may be sold out on line and you will need to look for them in your favorite garden center. They bloom in mid-October into early November and will slowly naturalize, providing well over 30 years of autumn color for the sunny or woodland garden. I tried the white flowered form (*Crocus speciosus* ‘Alba’) last year and was greatly impressed (pictured above).
- As a reminder, don’t purchase 6-12 bulbs if you are looking to make an impact. For minor bulbs (bulbs that measure close to ½” in diameter), you typically need 50-100 bulbs to just begin to make an impact and obviously, the more plants the better. Minor bulbs include Snowdrop (*Galanthus*), Squill (*Scilla*), Grape Hyacinth (*Muscari*) and Glory of the Snow (*Chionodoxa sardensis*, pictured at right). These and other minor bulbs are typically found near the end of bulb catalogues. For major bulbs, measuring 1-3” in diameter such as Daffodil (*Narcissus*), Hybrid Tulip (*Tulipa*) and Flowering Onions (*Allium*), quantities of 25 to 50 bulbs will begin to make a nice impact.
- For both major and minor bulbs, I like to cluster several ‘bulbs’ in a hole to create a more mature appearance. For ‘minor bulbs’, clusters of 5-20 work well. Pictured at right are tubers of *Eranthis* (Winter Aconite) that will yield a floral display as seen at. For major bulbs, clusters of 2-3 will give a more mature appearance from the start. These are all things to certainly keep in mind as you put together your bulb order!



- Stem tubers like Windflower (*Anemone blanda*) and Winter Aconite (*Eranthis*) pictured above should be soaked for several hours to rehydrate the tubers. In the image above of the tubers, they had been soaked and were rehydrated. Stem tubers do not have an obvious 'up' side and grow just fine when placed in the hole any side up!
- When planting bulbs, place them to a depth equal to three times their diameter. In other words, a $\frac{1}{2}$ - $\frac{3}{4}$ " diameter 'Minor Bulb' will be planted 1½-2" deep with the 'pointed end' oriented upward. For larger 'Major Bulbs' measuring 2-3" in diameter, they will require 6-9" deep holes, so only layout what you can comfortably plant in one day, as they can be work intensive to plant. There is always tomorrow to plant more! If major bulbs are planted too shallow, they will produce small bulbils or offsets that are too small to produce flowers.
- Always experiment! Two years ago, I tried *Muscari paradoxum*, also known as *Bellevalia paradoxa* (Grape Hyacinth) for the first time. An image is seen at the end. Photographed on April 15th, it stands 8" tall and adds a great deep purple color to the garden. Also at the end is *Narcissus romieuxii*. A small species of Daffodil that is perfect for small spaces! The slender grassy foliage of the Daffodil reappears in the fall and persists until the following spring. The foliage should be considered in the garden design so it does not prove to be distracting!
- Most soils in NJ are rich enough to not require additional fertilizers for bulbs when planting.

Trees

- Inspect and evaluate your ornamental small trees, shade trees and shrubs. Those plants that are stressed from age, disease or insects will let you know through early leaf wilt or drop. Oaks that have Bacterial Leaf Scorch will have leaves that suddenly turn brown in mid to late August, as the image of the Red Oak at right indicates. There are treatments for this disease, but once most of the foliage has turned brown the tree will ultimately need to be removed. It typically attacks less vigorous trees. However, still continue to plant Oaks, since they feed over 550 native insects!
- Constantly monitor tree structure. The Cherry tree at right had 3 stems all originating at one point, which created a weak branch attachment. The weight of the branches caused the 3-way split in June that was noticed before the tree collapsed!
- Beech Leaf Disease is a new problem that is sadly appearing in parts of NJ. The leaf will have a water-soaked appearance and the plant will slowly to rapidly decline. Fortunately, there are treatments so consult your arborist to save important trees in your garden.



- If you live with large deer populations, put wire cages around recently planted trees to avoid the bark from being rubbed and damaged by bucks. One of their favorite targets are Magnolias, so make certain that they are properly protected.
- September is an ideal time to install additional woody and herbaceous plants to the garden. The soil is warm and although it is often a relatively dry month, the cooler days and moister weather ahead will allow the plants to establish an adequate root system before next summer's heat and potential drought. Woody plants that are not fall transplant hazards can be dug and transplanted, and those that are fall hazards can be planted if they were dug this past spring or grown in containers. If rainfall is scarce, water new plantings every 3-4 days until November or later if autumn rains remain scarce.

Vegetables

- For the vegetable garden, continue to remove plants that are no longer producing. The heavier rains experienced in August have raised havoc with tomatoes as the fruit is subject to splitting when watered heavily and cucumbers fade from Powdery Mildew. As mentioned last month, a Master Gardener friend pointed out that the days to maturity on seed packets applies for springtime seeding. Come autumn, the number should be multiplied by 1.5 to account for the slower growth time due to the shortening days as compared to the lengthening days of spring. Plant leafy crops that appreciate the cooler nighttime temperatures. Suggestions include:

<u>Root Crops</u>	<u>Leaf Crops</u>	<u>Other</u>
Beets (45-64 day)	Lettuce (45-55 days)	Broccoli (55-80)
Carrots (65-80 days)	Mache (like lettuce) (40+)	
Fennel, bulbing (72)	Mesclun Mixes (30-40 days)	
Scallions (60 days)	Bok Choy (45 days)	
Kohlrabi (45-60 days)	Salad Greens (28-42 days)	
Radishes (21-48 days)	Spinach (45 days)	
	Chard (28-42 days)	

- If you are planting in containers, consider adding leafy crops like Lettuce (as seen at right), Spinach and Bok Choi. They work well in autumn ornamental containers when some of the existing annuals are in decline and in need of removal. These vegetables will provide fresh harvests throughout the fall.



- Consider the installation of low tunnels, as seen below right, which consist of metal or plastic hoops covered with a fabric called Agribon. The fabric keeps heavy frosts off the rows of cool season vegetables. It enables the gardener to harvest well into December, and for certain crops like spinach, even into spring! This is a good month to pick-up the materials needed and to place the hoops, eliminating any last-minute dashes!
- September is the opportune time to plant garlic! 'Music' is an old-fashioned favorite and a good performer, but try some of the many other selections that are

on the market too! Plant in a location that will be in full sun through next August, which is when it is time to harvest.

Turf

- Continue to keep your lawn mower blades set high for cutting your lawn to minimize the stress from summer. Even though the temperatures have been near average at the end of August, turf will still appreciate the higher setting.
- Mid to late September is a great time for reseeding bare spots, or for the installation of sod. The upcoming cooler temperatures, heavy dews and typically consistent rainfalls combined with warm soil temperatures promotes good root growth and turf establishment.
- Late September is a good time to fertilize your lawn. It aids in developing a good root system throughout the fall and winter for next summer's heat and stress.
- If you have portions of the lawn receiving excessive foot traffic or have otherwise developed compacted soils, September is a good time to core and aerate the turf. The special equipment needed can be rented at local rental facilities and the effort does improve the quality and health of the turf.



Narcissus romieuxii



Bellevalia paradoxa