

many common plants, especially of the compositæ and umbelliferae, being omitted.

In observations on plants grown in gardens, it is necessary to exclude all annuals, as their periods of leafing and flowering vary so much, that no conclusions could be drawn from them, unless the portions of the same seed were sown on the same day. No plants which have been protected in any way, are available for these experiments, nor are those which exist in many varieties.

For the foliage, it is best to observe when the first leaves burst the bud, and when the upper surface first becomes exposed to the light.

For flowering, it is advisable to take the moment when the anthers become visible, and for the fructification, the dehiscence of the pericarp, or in cases of indehiscent fruits, the evident arrival of the seed carpel at maturity, may be taken as the dates to be noticed.

It would also be well to observe the period of defoliation, that is when most of the leaves have fallen.

Another subject, deserving of attention, is the periods at which early and late frosts occur, of sufficient intensity to effect any material injury to plants or vegetables; such, for instance, as the Dahlia and the Tomato, which are, perhaps, of all, the most sensitive to the influence of cold.

In connection with this subject, it would be of considerable interest to make observations on the arrival and departure of the various summer birds, insects, reptiles and animals.

PLANTS TO BE OBSERVED AS TO THEIR TIME OF LEAFING.

	flowers in
Acer Saccharinum.....	Sugar Maple..... April.
Acer Rubrum.....	Red Maple..... March.
Cesulus Hippocastanum.....	Horse Chestnut..... June.
Juglans Cinerea.....	Butternut..... May.
Betula Papyracea.....	Birch..... April.
Juglans Regia.....	Black Walnut..... May.
Carya Alba.....	Shell-bark Hickory..... "
Carya Amara.....	Bitter Hickory..... "
Liriodendron Tulipifera.....	Tulip Tree..... June.
Ulmus Americana.....	White Elm..... April.
Fagus Ferruginea.....	Beech..... May.
Corylus Americana.....	Wild Hazel..... April.
Carpinus Americana.....	Iron Wood..... "
Pinus Pendula.....	Larch..... "
Fraxinus Americana.....	White Ash..... April.
" Sambucifolia.....	Black Ash..... "
Rhus Typhina.....	Sumach..... June.
Populus.....	Poplar..... "
Quercus.....	Oak..... "
Salix.....	Willow..... "
Sambucus Canadensis.....	Elder..... June.

Among plants usually cultivated in gardens, the following may be observed as to their time of foliage:—

Mezereon.	Quince.
Double-flowering Almond.	Peach.
Lilac.	Double-flowering Peach.
Gooseberry.	Ailanthus.
Black Currant.	Abile.
Red Currant.	Honeysuckle.

Raspberry.	Linden.
Apple.	Mountain Ash.
Pear.	Spiraea.
Plum.	

WILD PLANTS TO BE OBSERVED AS TO THEIR TIME OF FLOWERING.

Ranunculus Bulbosus.....	Buttercup.....	May.
" Acris.....	Tall Crowfoot.....	June.
" Aquatilis.....	White Water Crowfoot.....	June.
Trifolium Pratense.....	Red Clover.....	
" Repens.....	White Clover.....	
Fragaria Virginiana.....	Strawberry.....	
Cnicus Arvensis.....	Canada Thistle.....	
Erythronium Americanum.....	Dig-tooth Violet.....	
Dirca Palustris.....	Wickaby.....	
Rubus Odoratus.....	Dog Rose.....	
" Occidentale.....	Black Raspberry.....	
Prunus Virginiana.....	Black Cherry.....	
" Borealis.....	Red ".....	
Crataegus Coccinea.....	Thorn.....	
Ribes Floridum.....		
Ribes Cynobati.....		
Trillium Pictum.....	White Death Flower.....	
Leontodon Taraxacum.....	Dandelion.....	
Lilium Canadensis.....	Orange Lily.....	
Arum Atropurpureum.....		
Anemone Nemorosa.....	Wind Flower.....	April.
" Virginiana.....	Tall Anemone.....	June.
Hepatica Triloba.....	Three-lobed Liverleaf.....	March.
" Acutiloba.....	Sharp-lobed ".....	"
Thalictrum Divicium.....	Early Meadow Rue.....	April.
Caltha Palustris.....	Marsh Marigold.....	"
Coptis Trifolia.....	Gold Thread.....	May.
Aquilegia Canadensis.....	Columbine.....	"
Actaea Alba.....	White Baneberry.....	"
Podophyllum Peltatum.....	May Apple.....	May.
Nymphaea Odorata.....	White Waterlily.....	July.
Nuphar Luteum.....	Yellow ".....	"
Sarracenia Purpurea.....	Pitcher Plant.....	June.
Sanguinaria Canadensis.....	Blood Root.....	April.
Nasturtium Palustris.....	Marsh Cress.....	June.
Dentaria Diphylla.....	Toothwort.....	May.
Capsella Bursa Pastoris.....	Shepherd's Purse.....	April.
Viola Pubescens.....	Yellow Violet.....	June.
Parnassia Palustris.....	Grass of Parnassus.....	July.
Hypericum Perforatum.....	St. John's Wort.....	June.
Elodea Virginica.....	Marsh ".....	July.
Silene Noctiflora.....	Night Flowering Catchfly.....	June.
Stellaria Media.....	Chickweed.....	April.
Portulacca Oleracea.....	Parslane.....	July.
Claytonia Virginica.....	Spring Beauty.....	April.
Impatiens Fulva.....	Touch me Not.....	June.
Rhus Toxicodendron.....	Poison Ivy.....	June.
Ampelopsis Quinquefolia.....	Virginia Creeper.....	July.
Polygala Pauciflora.....	Milkwort.....	May.
Supinus Perennis.....	Supine.....	
Comarum Palustre.....	Marsh Cinque-Foil.....	June.
Potentilla Anserina.....	Silver Weed.....	April.
Amelanchier Canadensis.....	Shad Bush.....	April.
Epilobium Coloratum.....	Purple-veined willow herb.....	July.
Oenothera Biennis.....	Evening Primrose.....	June.
Mitella Diphylla.....	Mitre Wort.....	May.
Fiarella Cordifolia.....	False Mitre Wort.....	April.
Aralia nudicaulis.....	Sassafras.....	May.
Cornus Canadensis.....	Dwarf Cornel.....	May.
Linnaea borealis.....	Twin Flower.....	June.
Diervilla trifida.....	Bush Honeysuckle.....	June.