

Photo Album

by John Kelly







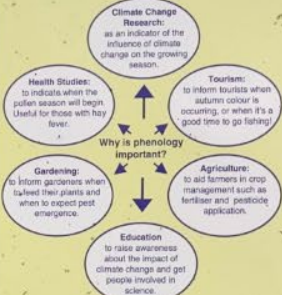




IRELAND'S NATIONAL PHENOLOGY NETWORK (IE-NPN)

International Phenological Garden (IPG)

What is Ireland's National Phenology Network?
 Ireland's National Phenology Network (IE-NPN) was established in 2009 by Trinity College Dublin to collect and disseminate data on the timing of the cycle events of plants and animals.
 Key events are called phenophases. These include budburst dates of trees and migration dates of birds. The study of the timing of these naturally recurring life-cycle events is called phenology.



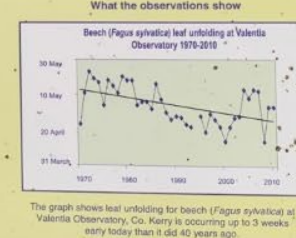
- Phenology Gardens in Ireland**
1. Farnham Estate
 2. Lodge Park Wood Garden
 3. Arfield Trust
 4. Killybeggy House
 5. Binn Court
 6. Ingh National Stud
 7. Keshbeg College
 8. Mount Congreve
 9. Mount Lister
 10. Blarney Castle
 11. Valentia Observatory
 12. JPK Ardaraun
 13. Johnsons Castle
 14. National Botanic Gardens
 15. Glenveagh National Park
 16. Ballyvaughan College
 17. Williamstown House
 18. Carton Estate
 19. Enniscorthy House
 20. Binn Castle
 21. Arneagh Observatory
 22. Millstreet Country Park
 23. Ballyvaughan Castle
 24. Malinbeg Castle
 25. Bannow Court
 26. Mount Stewart
 27. NUI Galway



What is Monitored?
 At each site a collection of cloned trees are monitored over their growing season using the following phenophases:
 Beginning of leaf unfolding
 Beginning of flowering
 First ripe fruits
 Autumn colouring
 Leaf fall
 Beginning of leaf unfolding, flowering and fruiting are recorded when the event has occurred at 3 places on the plant. Autumn colour and leaf fall are recorded when >50% of the leaves have changed colour. An example of the phenophases from budburst through to fully unfolded leaves for poplar is shown in the image below.



- Species under observation**
- IPG network**
- European larch
 - Norway spruce
 - Scots pine
 - Birch
 - Rowan
 - Lime
 - Roundleaf willow
 - Smiths willow
 - Basket willow
 - Hazel
 - Forsythia
 - Chinese Elm
 - Larix decidua
 - Picea abies
 - Pinus sylvestris
 - Betula pubescens
 - Robinia pseudoacacia
 - Sorbus aucuparia
 - Tilia cordata
 - Salix aurita
 - Salix x geminata
 - Salix viminalis
 - Corylus avellana
 - Forsythia suspensa
 - Gymea chinensis 'Red Flotromagenst'
- Native species network**
- Blackthorn
 - Spiraea
 - Ash
 - Birch
 - Prenus glandosa
 - Eucrymus europaeus
 - Fraxinus excelsior
 - Betula pubescens



The graph shows leaf unfolding for beech (*Fagus sylvatica*) at Valentia Observatory, Co. Kerry is occurring up to 3 weeks early today than it did 40 years ago.

Would you like to take part?
 To record your observations over the growing season simply visit our **Nature Watch** website:

<http://phenology.biodiversityireland.ie>



Cavan Beekeepers Association

@cavanbees · Community Organization

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Cavan Beekeepers Association provides a networking platform for beekeeper's in the county of Cavan and surrounding areas.

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May 20 ·



