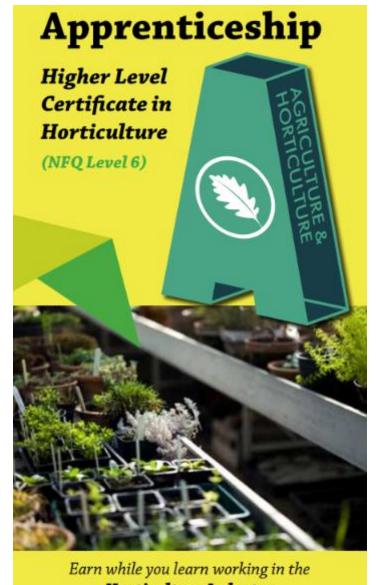


Dónall Flanagan - Nursery Stock and Ornamentals Specialised advisor 19th October 2023



# **Apprenticeships**

- Landscape stream has just started
- Nursery stock stream will begin in Autumn 2024
  - Minimum class size of 7 apprentices
- Hosts needed
  - Register now with Solas
  - Employment and apprenticeships are at the discretion of the host
- Details@ Apprenticeship Generation website









## Plant protection product updates

- Insecticides
  - Oikos azadiractin
    - » Ornamental protected
    - » Aphids, Leaf miner, Whiteflies, Thrips, Cutworm
    - » Natural insecticide
  - Lalguard Metarhizium brunneum strain F52
    - » Ornamental protected and outdoor
    - » Vine weevil control
    - » USA label for liquid formulation includes Whiteflies, Thrips, Mites, Aphids

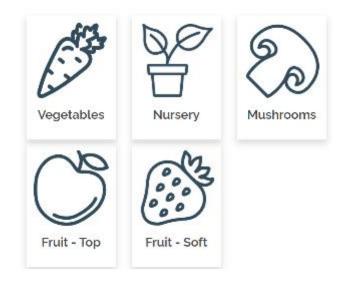






# www.teagaschorticultureportal.ie









## SECTION - NURSERY

Teagasc Horticulture Portal

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Ornamental-flowers-outdoor Information



Ornamental-flowers-protect



Ornamental-outdoor Information



Ornamental-woody-outdoor Information



Ornamental-woody-protect Information



Outdoor Cut Foliage Information



Forest Nurseries Information



Roses Information



Ornamental-protected Information



Ornamental-seedling-outdoor



Ornamental-seedling-protect Information

# Pest and disease update

- Oak Processionary Moth
  - One case detected in the Ashtown/Pelletstown area of Dublin early this summer.
  - The four colonies on established young trees were destroyed.
  - Intensive surveying was carried out by DAFM all summer with no further colonies or adults were detected
- Sycamore sooty bark disease
  - Cryptostroma corticale
  - It is a lethal disease of sycamore causing wilt and dieback
  - No confirmed lab samples, though symptomatic trees have been seen in Dublin
  - Stress of the occasional hot weather last august and this May has caused the sudden death of the trees







# Pest and disease update

- Horse chestnut bacterial canker and leaf miner.
  - Now widespread with no practical control measures for either.
  - Aesculus x neglecta 'Autumn Fire' is a medium sized tree resistant to both problems
    - » will be planted in our climate tree trial this winter.
  - <u>Aesculus Cyrilles Clean</u>. new leaf miner resistant tree was launched by Van Den Berk
- Box moth caterpillar.
  - The pest is now widespread in the landscape
  - The caterpillar is causing high levels of defoliation in particular where the pest has been able to build up over a few seasons.
  - There were reports of major defoliation in peak summer and again in September in parts of Dublin.







## **National Fertilizer Database**

- Register of all professional fertiliser end-user to purchase since September 1st, 2023
  - 480 non farmers now registered
- 15<sup>th</sup> of October deadline for declaration of including nil stock
- Merchants no longer permitted to sell to unregistered professionals.





# **Growing media research**

'Beyond Peat' will assess current, available alternative growth and casing materials across five key sub-sectors of horticulture

Transferable knowledge

developing advanced growth media utilising new technologies

- Biopolymers
- Biochar
- Composting
- Benchmark assessment of commercially available range of reduced peat media







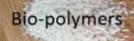


#### Pillar 1 – Evaluate Existing Alternatives

Assess existing alternatives to determine the agronomic, economic and environmental impact on crop production

### Pillar 2 – Develop new Growth Media





#### Pillar 3 – Life Cycle Assessment

Life Cycle Assessment Economic Assessment



A sustainable circular bioeconomy for growth media through the adoption of disruptive technologies





# Thank you



