Minimizing the risk of diseases and early detection when it happens:

Bjørn Borgan

Nursery manager

Alstahaug Planteskole



ktaark om dyrking av skogplanter Nr. 1 - 2023

NIBIO

52



Godkjente preparater mot soppsykdommer (februar 2023)

	Gråskimmel (Botrytis spp.)	Furuas knopp og greintørkesopp (Gremmeniella abietina), furuskytte-sopper (Lophodermium spp.)	Filtsopp (<i>Herpotrichia</i> spp.)	Rot- og rothalsråter, visnesyke (Oomycota: Phytophthora, Pythium, Peronospora)	Svartskurv (Rhizoctonia solani)	Lokkrust (Thekopsora arveplata)
Nordox 75 WG	X	X	X			х
Teldor WG 50	х			1 1		
Switch 62,5 WG	х				1	
Serenade ASO	х		*			
Luna Privilege	Х			1		
Delaro SC 325		х		-		
Rizolex 50 FW		6.2		2.12	x	
Aliette WG 80		1		x		
Topas 100 EC						x
Delan 700 WG				1		X

Andre skadegjørere der det mangler godkjente preparater

Det er flere viktige skadegjørere som kan forårsake store skade i planteskoler hvis inokulum er tilgjengeli miljøforhold er gunstige for patogenet. Denne listen har blitt lengere nå etter at Topsin har mistet godkjennin

- Granas snøskyttesopp (Lophophacidium hyperboreum)
- Furuas snøskyttesopp (Phacidium infestans)
- Furuas knekkesopp (Melampsora pinitorqua)
- Phomopsis-skade (Phomopsis spp.)
- Fallsjuke (Cylindrocarpon spp., Fusarium spp., Rhizoctonia spp.)
- Grankingel (Rhizoctonia spp.)

Why do we need to minimize the risk?

- Fungicides, pesticides and herbicides are getting very spezialised.
- Every year different types gets discontinued.
- We could get a growing problem with restisance.

How do we minimize the risk?

Internal

- Try to keep the weeds away from the field.
- Desinfecting the pots before use
- Washing the greenhouses before spring
- Grow our plants above ground

External

- > We don't take plant from other nurseries in our existing line of production.
- We check all pallets we recieve for mark of-heat-treatment.

Detecting and handling of an potential desease

- What we basically are looking for in detecting a problem is change, how is the color, smell and taste of the plants.
- Different problems for different species.
- Accept than one plant can die as long as we make sure that it doesn't spread
- Daily routines for checking the fields and greenhouses
- Putting other work aside to fix the problem when it happens.
- Learning what the biggest risks is in our nurseryand how to act upon them

The smelling test

For the trained forest nursery nose

We are lucky (I think)

- Having a forest nursery in a coastal climate good for plant health!
- More wind = less attack by fungi.
- ▶ We have the last couple of years tried to do some batches with less spraying.

Thank you