

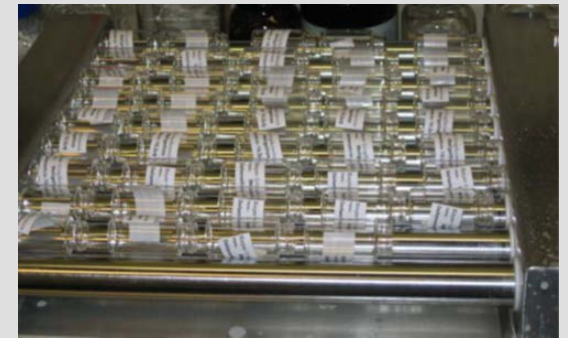
NORBARAG SUBGROUP INSECTICIDES

*8th Nordic-Baltic Resistance Action Group
Vantaa, Finland
3-4 March 2016*



NORBARAG 2016: POLLEN BEETLES

- ❑ Widespread resistance to pyrethroids.
- ❑ Increased number of lambda-cyhalothrin susceptible populations.
- ❑ Susceptibility for tau-fluvalinate stable or increasing.
- ❑ Indoxacarb susceptible populations.
- ❑ Neonicotinoid susceptibility populations; do we see slight decrease in susceptibility? Increased variation!
- ❑ Most countries have 3-5 MoA's available in 2015; and pollen beetles can be controlled.



NORBARAG 2015: OTHER INSECTS

- ❑ **Cabbage stem flea beetle (*Psylliodes*); Danish populations are susceptible to pyrethroids, but resistance mutations are found. One of 8 populations from Lithuania were pyrethroid resistant.**
- ❑ **Seed pod weevils were susceptible to pyrethroids (Lithuania).**
- ❑ **Project on potential resistance of strawberry blossom weevil (*Anthonomus rubi*) from Finland.**

