

Resolutions /conclusions AAB Dose-expression Workshop Barcelona 6th – 7th November-2018

1. Dose expression is a key to effective and sustainable use of pesticide and therefor should be of concern to research, policy makers, advisors and industry.
2. For 3D crops dose expression based on L/ha ground area is not a logic system, unless based on differences in canopy structure
3. It is important to define what are the main canopy characteristics and orchard and target lay-out to adapt the dose.
4. Application technology and operation of equipment must ensure maximum efficiency; maximising the deposition on the target and minimising the losses.
5. Application technology influences the spray deposition on the target and therefor influences the determination of effective dose
6. LWA seems a good approach at least for wall-shaped tree- and bush crops.
7. Tree size, plant densities, row distances can however negatively influence the optimal use of LWA and further research is to be done in specific situations.
8. Other alternatives on dose expression should be evaluated for other systems than wall-shaped trees e.g. isolated and globular trees.
9. Spray volume has an important effect on efficacy, spray distribution and the amount of PPP deposited in the tree canopy and therefor on effective dose determination and should be adapted to the target.
10. Appropriate methods to determine the parameters for spray application (forward speed, spray volume, fan speed, etc.) should be made available to growers in a user-friendly way.
11. Good and effective training campaigns should be established.
12. Spray technology research must assist in determining optimal dose for different crops additional to the knowledge of the agrochemical industry.