



Redefining Pest Management - a Holistic Approach

Practice Abstract N° 24

Best Management Practices for spray applications in bed-grown carrot fields

When spraying plant protection products (PPP), farmers have a responsibility to prevent it from drifting as well as harming the environment, human health, and food safety in other ways. One way to mitigate the impact of PPP is to improve the efficiency of spray applications through increasing depositions on the target crop and reducing losses to the environment. Best Management Practices (BMPs) have been drafted to aid the farmers in setting up and using their sprayer in an efficient manner. Besides more general BMPs, an additional specific BMP for carrot growers and their boom sprayer is given. Main objective is to match the spray distribution to the canopy to avoid spray losses by adjusting the number of nozzles, spray angle, nozzle spacing and distance to the target. When appropriate, the use of off-center nozzles is encouraged. Bed spraying and the use of variable nozzle spacing to adjust the spray distribution to the target zone can also be considered.



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