

ITV Macon trials : No drift in heavy wind with the Undavina sprayer

Last July 16th, ITV Macon tested the low volume Undavina herbicide sprayer (Enviromist/CDNM) in the Péronne vines in the Macon area. The trials were carried out on a plot where weed growth was very advanced with Basta F1 (Bayer). Mounted on a quad bike travelling at 5 km/h, the Undavina spray heads were mounted at a height of 10cms above the ground. Three methods of operation were tested: the first two were carried out with application rates of 4 l/ha, one without wind, the other with an artificial wind of 30 to 40 km/h at ground level which corresponds to 60 to 80 km/h above the vines. With advanced weeds a third trial was carried out at an application rate of 5 l/ha. After four days the trials at 4 l/ha showed a control level of 84% whilst the trial at 5 l/ha reached 93%. The difference is confused by the weather revealing similar levels of control after ten days (90 to 96%). Regarding drift 1,200 vine leaves were observed. ITV only noted two impacts on two different leaves with artificial wind and one impact at 5 l/ha validating the use of the sprayer in moderate wind.