

Pesticide Impacts for INRAE control of pests, weed and diseases in an arable rotation. for Current Control Practice. Average of 4 years results each of five fields.

The ADOPT-IPM strategy had zero pesticide impacts and therefore zero costs.

The current control practice used a total of 62 different pesticides in a total of 255 applications over the 4 year period and the five fields each year. Because of the large numbers of pesticides it was not possible to provide a sensible graphical output hence only the values for each compartment are provided

Pesticides Impact summary for Current Control Practice (Total for 4 years, averaged across years and averaged by plot and year)				
	Pesticide Load Index Compartment	Total over 4 years (per ha)	Averaged by year (per ha)	Averaged by plot and year (per ha)
Total package load per hectare	Human Health	18.91	4.73	0.95
	Ecotoxicity	33.52	8.38	1.68
	Environmental Fate	15.88	3.97	0.79
	Overall	22.77	22.77	1.14
Total societal cost per package per hectare	Human Health	27 €/ha	543.03 €/ha	135.76 €/ha
	Ecotoxicity	88 €/ha	22.02 €/ha	4.40 €/ha
	Environmental Fate	92 €/ha	23.08 €/ha	4.62 €/ha
	Overall	723 €/ha	180.86 €/ha	36.17 €/ha