

Online appendix 3: Pesticide use statistics based on questionnaire data

Compound			Phase 1		Phase 2		Phase 3		
			Ever used n (%)	Used last week n (%)	Used since last phase n (%)	Used last week n (%)	Used since last phase n (%)	Used last week n (%)	
Any pesticide			283 (77.7%)	80 (22.0%)	173 (48.6%)	77 (21.6%)	133 (37.6%)	71 (20.1%)	
Any organophosphate or carbamate insecticide			133 (36.5%)	22 (6.0%)	43 (12.1%)	15 (4.2%)	40 (11.3%)	20 (5.6%)	
Insecticide	Organophosphate	Chlorpyrifos	8 (2.2%)	3 (0.8%)	3 (0.8%)	0 (0.0%)	1 (0.3%)	0 (0.0%)	
		Diazinon	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.3%)	0 (0.0%)	
		Dichlorvos	16 (4.4%)	4 (1.1%)	6 (1.7%)	3 (0.8%)	10 (2.8%)	6 (1.7%)	
		Dimethoate	11 (3.0%)	1 (0.3%)	5 (1.4%)	2 (0.6%)	1 (0.3%)	1 (0.3%)	
		Profenofos	114 (31.3%)	15 (4.1%)	30 (8.4%)	10 (2.8%)	30 (8.5%)	14 (4.0%)	
	Organophosphate + pyrethroid		Chlorpyrifos + cypermethrin	0 (0.0%)	0 (0.0%)	1 (0.3%)	1 (0.3%)	2 (0.6%)	2 (0.6%)
	Carbamate	Bendiocarb	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
		Carbofuran	2 (0.5%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
	Pyrethroid	Alpha-cypermethrin	5 (1.4%)	2 (0.5%)	1 (0.3%)	1 (0.3%)	1 (0.3%)	1 (0.3%)	
		Cypermethrin	108 (29.7%)	22 (6.0%)	45 (12.6%)	18 (5.1%)	37 (10.5%)	18 (5.1%)	
		Deltamethrin	3 (0.8%)	0 (0.0%)	1 (0.3%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	
		Lambda-cyhalothrin	4 (1.1%)	0 (0.0%)	3 (0.8%)	2 (0.6%)	3 (0.8%)	1 (0.3%)	
		Unknown pyrethroid insecticide	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
	Avermectin + neonicotinoid		Abamectin + Acetamiprid	5 (1.4%)	3 (0.8%)	11 (3.1%)	6 (1.7%)	4 (1.1%)	1 (0.3%)
	Neonicotinoid		Imidacloprid	0 (0.0%)	0 (0.0%)	1 (0.3%)	1 (0.3%)	0 (0.0%)	0 (0.0%)
	Octopamine receptor agonist		Amitraz	0 (0.0%)	0 (0.0%)	2 (0.6%)	1 (0.3%)	2 (0.6%)	2 (0.6%)
Azadirachtin		Azadirachtin	1 (0.3%)	1 (0.3%)	3 (0.8%)	2 (0.6%)	0 (0.0%)	0 (0.0%)	
Unknown		Unknown insecticide	28 (7.7%)	10 (2.7%)	42 (11.8%)	18 (5.1%)	29 (8.2%)	17 (4.8%)	
Herbicide	2,4-D		49 (13.5%)	9 (2.5%)	15 (4.2%)	5 (1.4%)	7 (2.0%)	3 (0.8%)	
	Atrazine		1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
	Glyphosate		157 (43.1%)	24 (6.6%)	55 (15.4%)	16 (4.5%)	29 (8.2%)	13 (3.7%)	
	Paraquat		9 (2.5%)	1 (0.3%)	1 (0.3%)	1 (0.3%)	3 (0.8%)	1 (0.3%)	
	Unknown herbicide		1 (0.3%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
Fungicide	Mancozeb		46 (12.6%)	15 (4.1%)	30 (8.4%)	18 (5.1%)	27 (7.6%)	22 (6.2%)	
	Propamocarb hydrochloride		0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.3%)	0 (0.0%)	
	Unknown fungicide		0 (0.0%)	0 (0.0%)	1 (0.3%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	
Unknown	Sulphur		0 (0.0%)	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	
	Unknown pesticide		22 (6.0%)	7 (1.9%)	24 (6.7%)	11 (3.1%)	18 (5.1%)	7 (2.0%)	

All percentages are relative to the number of participants in each phase (364 in phase 1, 356 in phase 2, and 354 in phase 3).

Participants who reported having used/mixed any pesticides were asked which up to three pesticides they had used/mixed the most, and if they had used/mixed the compounds in the week prior to the interview. Participants also were asked for up three additional pesticides that they had used/mixed in the last week. Showcards of trade names of commonly used pesticides in the study area were used to improve recall.