

TABLE 11: PESTICIDE MULTI-RESIDUE ANALYSIS ON A SELECTION OF SORGHUM CROP AS WELL AS SORGHUM CULTIVAR TRIAL SAMPLES

Region	Province	Type of sample	Pesticide detected	Concentration measured	South African MRL
13	North West	Sorghum Crop	No residues detected	-	-
19	North West	Sorghum Crop	Beta-cyfluthrin	0.022 mg/kg	0.2 mg/kg
			Mercaptothion	0.017 mg/kg	0.2 mg/kg
			Permethrin	0.2 mg/kg	2 mg/kg
20	North West	Sorghum Crop	Azoxystrobin	0.068 mg/kg	3 mg/kg
			Bifenthrin	0.025 mg/kg	Not registered for use on Sorghum
			Difencnazole	0.039 mg/kg	0.05 mg/kg
			Mercaptothion	0.094 mg/kg	0.2 mg/kg
			Novaluron	0.030 mg/kg	0.2 mg/kg
33	Mpumalanga	Sorghum Crop	No residues detected	-	-
35	Limpopo	Sorghum Crop	Beta-cyfluthrin	0.5 mg/kg	0.2 mg/kg
			Mercaptothion	1.3 mg/kg	0.2 mg/kg
			Permethrin	0.45 mg/kg	2 mg/kg
			Piperonyl butoxide	0.042 mg/kg	20 mg/kg
35	Limpopo	Sorghum Crop	No residues detected	-	-
35	Limpopo	Sorghum Crop	Cyhalothrin - Lambda	0.017 mg/kg	0.5 mg/kg
35	Limpopo	Sorghum Crop	No residues detected	-	-
18	North West	Sorghum Cultivar Trial	No residues detected	-	-
17	North West	Sorghum Cultivar Trial	No residues detected	-	-
35	Limpopo	Sorghum Cultivar Trial	No residues detected	-	-

Notes:

MRL = Maximum Residue Level

Reference: FOODSTUFFS, COSMETICS AND DISINFECTANTS ACT, 1972 (ACT No. 54 OF 1972)