Pesticide exposure risks and seasonal variation in honey bee-collected pollen across agricultural landscapes in Latvia

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Land use composition of the six sampling locations (apiaries), showing the proportions of semi natural, agricultural, and urban land within a 3 km radius pf each apiary.

No.	Sampling location (apiary)	Sampling year 2024			Sampling year 2025		
		Semi natural, %	Agriculture, %	Urban, %	Semi natural, %	Agriculture, %	Urban, %
1	Lube parish, Kurzeme	40	58	2	41	57	2
2	Ledurga parish, Vidzeme	73	26	1	74	25	1
3	Jelgava town, Zemgale	49	7	44	49	7	44
4	Platone parish, Zemgale	17	81	2	17	81	2
5	Vecauce parish, Zemgale	34	55	11	34	55	11
6	Ambeli parish, Latgale	72	28	0	72	28	0

The proportions of land use categries are classified as "Agriculture", "Semi natural" and "Urban" are presented for the 2024 and 2025 study years. Since the land use proportions did not differ substantially between the two study years, the results are interpreted jointly for both years. The proportion of semi natural areas ranged from 17 to 74% (mean = 48%), the cover of agricultural areas ranged from 7 to 81% (mean = 42%), and the cover of urban areas ranged from 0 to 44% (mean = 10%).