

Minimum requirements for personal protective equipment (PPE) in the various treatment phases

Simplified illustration, recommendation

	Protective equipment	Standard and performance level	BVL guideline 2020, chapter:	Mixing / filling	Spreading plant protection products (PPP)				Cleaning	Example items	
				undiluted PPP	Spraying downwards (field crops)		Spraying upwards (vertical crops)				
					with cab ⁴	without cab	with cab ⁴	without cab			
	Protective reusable gloves (nitrile)	ISO 18889 G2 or EN ISO 374-1 Type A ¹	5.1.1 Level G2						or	Phytosanitary Glove Vinex (29816-29818, 29825)	
	Disposable gloves Nitrile (follow-up work)	ISO 18889 G1 or EN ISO 374-1 Type B	5.1.2 Level G1 and GR		when exiting ²		when exiting ²			Nitrile Classic (15370, 15372-15374, 15389), Nitrile Top Pro (153070-153074), Nitrile Long Black (15320-15324), Nitrile Premium Plus (153075-153079) Nitrile Profi (15380-15384)	
	Work clothing	EN ISO 27065 C1 or C2	2 Work clothing	in combination					in combination	Phytosanitary Protection Coverall protection level C2	
	Long-sleeved apron ²	ISO 27065 C3 EN 14605 Type 3 or 4	4 Sleeved Aprons		when leaving the cabin during use					Long-Sleeved Pesticide Apron protection level C3 (15619)	
	Chemical Protective Suit (spray-proof)	EN ISO 27065 C3 or EN 14605 Type 3 or 4 DIN 32781	3 Personal protective equipment	or	when exiting (individual cases)		when exiting (individual cases)		or	Phytosanitary Protection Coverall Type 4 (34354-34356)	
	Goggles / face protection	EN 16635	6 Eye protection / Face protection			prescribed in individual cases		prescribed in individual cases		Wide vision Goggles (34521) Goggles (34520)	
	Particle mask Half mask	EN 143 (P2) EN 14387 ³	7 Respiratory protection	prescribed in individual cases						Half Mask Vulcano (34535)	

Other elements of the BVL guideline: Chapter 8 Head Protection (e.g. hoods), 9 Foot protection (e.g. safety boots as per ISO 20345), 10 Use of tractor cabins

¹ and other requirements, ² to avoid contamination store outside the cabin, ³ for some PPP, specific respiratory protection required, e.g. AX filter, ⁴ in cabins with filter category 3 or 4, or in cabins that meet certain requirements (filter category 2*), eye and skin protection can be waived. Respirators can NOT be waived.