

Supplementary Table S1. Items descriptive statistics

Items	Valid	Mean	Std.Devi ation	Median (IQR)	Skewness	Kurtosis	Min-Max
m12_FP	305	3,99	1,08	4(3-5)	-0,91	0,11	(1-5)
m13_FP	305	4,09	0,96	4(4-5)	-1,14	1,15	(1-5)
m14_FP	305	4,41	0,82	5(4-5)	-1,68	3,12	(1-5)
m15_FP	305	4,41	0,80	5(4-5)	-1,46	2,23	(1-5)
m32_ATB_FP	305	4,43	0,86	5(4-5)	-2,10	5,11	(1-5)
m33_ATB_FP	305	4,41	0,78	5(4-5)	-2,05	6,14	(1-5)
m34_SN_FP	305	3,91	1,01	4(3-5)	-0,87	0,41	(1-5)
m35_SN_FP	305	3,90	0,93	4(3-5)	-0,73	0,10	(1-5)
m36_PBC_FP	305	4,29	0,76	4(4-5)	-1,71	4,99	(1-5)
m37_PBC_FP	305	4,17	0,98	4(4-5)	-1,42	1,74	(1-5)
m38_BI_FP	305	4,47	0,66	5(4-5)	-1,49	3,68	(1-5)
m39_BI_FP	305	4,51	0,69	5(4-5)	-2,04	6,53	(1-5)
m17_MH	252	3,83	1,29	4(3-5)	-0,96	-0,17	(1-5)
m18_MH	252	4,07	1,01	4(4-5)	-1,00	0,34	(1-5)
m19_MH	252	2,41	1,40	2(1-3)	0,57	-0,99	(1-5)
m20_MH	252	3,68	1,24	4(3-5)	-0,73	-0,47	(1-5)
m41_ATB_MH	251	4,00	1,19	4(4-5)	-1,36	1,00	(1-5)
m42_ATB_MH	251	4,32	0,73	4(4-5)	-1,21	2,29	(1-5)
m43_SN_MH	251	3,84	0,93	4(3-4)	-0,71	0,13	(1-5)
m44_SN_MH	251	3,94	0,99	4(4-5)	-0,78	-0,23	(1-5)
m45_PBC_MH	251	4,28	0,93	4(4-5)	-1,60	2,66	(1-5)
m46_PBC_MH	251	3,14	1,39	3(2-4)	-0,11	-1,31	(1-5)
m47_BI_MH	251	4,32	0,90	5(4-5)	-1,69	3,26	(1-5)
m48_BI_MH	251	4,45	0,72	5(4-5)	-1,65	4,18	(1-5)
m22_CPH	257	3,97	1,12	4(3-5)	-1,00	0,16	(1-5)
m23_CPH	257	4,21	1,05	5(4-5)	-1,34	1,01	(1-5)
m24_CPH	257	2,90	1,49	3(2-4)	0,16	-1,39	(1-5)
m25_CPH	257	4,46	0,76	5(4-5)	-1,68	3,58	(1-5)
m26_CPH	257	3,85	1,30	4(3-5)	-0,85	-0,55	(1-5)
m60_ATB_CPH	258	4,35	0,75	4(4-5)	-1,30	2,30	(1-5)
m61_ATB_CPH	258	3,96	0,94	4(3-5)	-0,84	0,43	(1-5)
m62_ATB_CPH	258	4,54	0,62	5(4-5)	-1,33	1,99	(2-5)
m63_SN_CPH	258	3,99	0,98	4(3-5)	-0,72	-0,18	(1-5)
m64_SN_CPH	258	4,10	1,00	4(4-5)	-1,03	0,50	(1-5)
m65_SN_CPH	258	3,99	1,03	4(3-5)	-0,82	-0,21	(1-5)
m66_PBC_CPH	258	4,38	0,73	5(4-5)	-1,22	1,93	(1-5)
m67_PBC_CPH	258	4,41	0,71	5(4-5)	-1,45	3,61	(1-5)
m68_BI_CPH	258	4,43	0,67	4(4-5)	-1,79	6,67	(1-5)
m69_BI_CPH	258	4,41	0,69	4,5(4-5)	-1,18	1,77	(2-5)

Items	Valid	Mean	Std.Devi		Median (IQR)	Skewness	Kurtosis	Min-Max
			ation					
m28_AH	192	4,01	1,35		5(4-5)	-1,23	0,20	(1-5)
m29_AH	192	4,14	1,02		4(4-5)	-1,26	1,24	(1-5)
m30_AH	192	4,51	0,68		5(4-5)	-1,44	2,29	(2-5)
m31_AH	192	4,14	1,15		5(4-5)	-1,26	0,67	(1-5)
m50_ATB_AH	222	4,15	0,88		4(4-5)	-1,49	2,84	(1-5)
m51_ATB_AH	222	4,58	0,53		5(4-5)	-0,68	-0,78	(3-5)
m52_ATB_AH	222	4,56	0,57		5(4-5)	-1,16	2,05	(2-5)
m53_SN_AH	222	3,75	1,02		4(3-5)	-0,58	-0,24	(1-5)
m54_SN_AH	222	3,84	0,99		4(3-5)	-0,52	-0,51	(1-5)
m55_PBC_AH	222	4,18	1,03		4(4-5)	-1,64	2,56	(1-5)
m56_PBC_AH	222	2,55	1,36		2(2-4)	0,61	-0,97	(1-5)
m57_BI_AH	222	4,43	0,80		5(4-5)	-2,07	5,74	(1-5)
m58_BI_AH	222	4,53	0,58		5(4-5)	-1,09	1,66	(2-5)
m70_SC	305	3,65	1,08		4(3-4)	-0,69	-0,20	(1-5)
m71_SC	305	3,09	1,36		3(2-4)	-0,03	-1,29	(1-5)
m72_SC	305	3,07	1,34		3(2-4)	-0,04	-1,19	(1-5)
m73_SC	305	2,28	1,36		2(1-3)	0,63	-0,94	(1-5)
m74_SC	305	2,08	1,21		2(1-3)	0,96	-0,03	(1-5)
m75_B	305	3,72	1,14		4(3-5)	-0,54	-0,47	(1-5)
m76_B	305	3,41	1,39		4(2-5)	-0,31	-1,26	(1-5)
m77_B	305	3,72	1,23		4(3-5)	-0,86	-0,15	(1-5)
m78_B	302	3,51	1,26		4(3-4)	-0,62	-0,64	(1-5)
m79_B	305	4,05	1,28		5(4-5)	-1,28	0,44	(1-5)
m80_B	305	3,74	1,18		4(3-5)	-0,81	-0,18	(1-5)
m81_B	305	3,97	1,19		4(3-5)	-0,93	-0,13	(1-5)

Supplementary Table S2. Cronbach's Alpha scores, item-total correlations

Item	If item deleted Cronbach's $\alpha$	Item-total correlation
<b>Fall Prevention=0.843</b>		
m12_FP	0.831	0.522
m13_FP	0.831	0.519
m14_FP	0.832	0.494
m15_FP	0.832	0.494
m32_ATB_FP	0.821	0.650
m33_ATB_FP	0.826	0.584
m34_SN_FP	0.832	0.507
m35_SN_FP	0.832	0.496
m36_PBC_FP	0.836	0.442
m37_PBC_FP	0.832	0.500
m38_BI_FP	0.834	0.488
m39_BI_FP	0.835	0.453
<b>Machine Handling=0.688</b>		
m17_MH	0.650	0.429
m18_MH	0.660	0.385
m19_MH	<b>0.732</b>	<b>0.010</b>
m20_MH	0.660	0.375
m41_ATB_MH	0.639	0.495
m42_ATB_MH	0.651	0.529
m43_SN_MH	0.653	0.450
m44_SN_MH	0.652	0.437
m45_PBC_MH	0.679	0.256
m46_PBC_MH	<b>0.711</b>	<b>0.120</b>
m47_BI_MH	0.662	0.383
m48_BI_MH	0.670	0.340
<b>Chemical-Pestisid Handling=0.888</b>		
m22_CPH	0.876	0.643
m23_CPH	0.880	0.570
m24_CPH	0.889	0.503
m25_CPH	0.879	0.599
m26_CPH	0.888	0.463
m60_ATB_CPH	0.879	0.625
m61_ATB_CPH	0.882	0.535
m62_ATB_CPH	0.881	0.601

Item	If item deleted Cronbach's $\alpha$	Item-total correlation
m63_SN_CPH	0.879	0.591
m64_SN_CPH	0.881	0.560
m65_SN_CPH	0.876	0.661
m66_PBC_CPH	0.878	0.661
m67_PBC_CPH	0.881	0.573
m68_BI_CPH	0.882	0.557
m69_BI_CPH	0.883	0.529
<b>Animal Handling=0.716</b>		
m28_AH	0.700	0.350
m29_AH	0.691	0.392
m30_AH	0.702	0.329
m31_AH	0.688	0.408
m50_ATB_AH	0.676	0.520
m51_ATB_AH	0.702	0.361
m52_ATB_AH	0.697	0.413
m53_SN_AH	0.680	0.481
m54_SN_AH	0.680	0.486
m55_PBC_AH	0.715	0.211
m56_PBC_AH	<b>0.776</b>	<b>-0.096</b>
m57_BI_AH	0.687	0.466
m58_BI_AH	0.686	0.576
<b>Safety Culture=0.777</b>		
m70_SC	0.799	0.325
m71_SC	0.683	0.692
m72_SC	0.684	0.693
m73_SC	0.738	0.545
m74_SC	0.750	0.505
<b>Barriers=0.799</b>		
m75_B	0.777	0.506
m76_B	0.781	0.495
m77_B	0.746	0.674
m78_B	0.752	0.637
m79_B	0.774	0.523
m80_B	0.753	0.644
m81_B	<b>0.819</b>	0.254

Supplementary Table S3. SEM Analyses: Direct and indirect effect of the determinants of the TPB on safety behavior

<b>Fall Prevention Dimension</b>			
<b>Direct effects</b>	<b>Beta</b>	<b>Indirect effects</b>	<b>Beta</b>
ATB → BI	0.35***	ATB → Behavior	0.07**
SN → BI	0.01	SN → Behavior	-0.01
PBC → BI	0.32***	PBC → Behavior	0.06**
BI → Behavior	0.19***		
SC → Behavior	0.27***		
B → Behavior	0.11*		
<b>Machine Handling Dimension</b>			
<b>Direct effects</b>	<b>Beta</b>	<b>Indirect effects</b>	<b>Beta</b>
ATB → BI	0.56***	ATB → Behavior	0.09**
SN → BI	0.04	SN → Behavior	0.01
PBC → BI	-0.02	PBC → Behavior	-0.01
BI → Behavior	0.16**		
SC → Behavior	0.29***		
B → Behavior	0.14*		
<b>Chemical Pesticide Handling Dimension</b>			
<b>Direct effects</b>	<b>Beta</b>	<b>Indirect effects</b>	<b>Beta</b>
ATB → BI	-0.01	ATB → Behavior	-0.01
SN → BI	0.17**	SN → Behavior	0.06**
PBC → BI	0.59***	PBC → Behavior	0.21***
BI → Behavior	0.36***		
SC → Behavior	0.26***		
B → Behavior	0.06		
<b>Animal Handling Dimension</b>			
<b>Direct effects</b>	<b>Beta</b>	<b>Indirect effects</b>	<b>Beta</b>
ATB → BI	0.66***	ATB → Behavior	0.17***
SN → BI	0.03	SN → Behavior	0.01
PBC → BI	0.08	PBC → Behavior	0.02
BI → Behavior	0.25***		
SC → Behavior	0.29***		
B → Behavior	0.07		

Beta: Standardized Coefficient \* p&lt;0.05 \*\*p&lt;0.01 \*\*\*p&lt;0.001;

FP: Fall Prevention; MH: Machine Handling; CPH: Chemical and Pesticide Handling; AH: Animal Handling; ATB: Attitudes Toward Behavior; SN: Social Norms; PBC: Perceived Behavior Control; BI: Behavior Intention; SC: Safety Culture; B: Barriers