

Regression Coefficients for Peak All Pathways

Description of Probabilistic Variable	Repetition =			1			2			3			Position		
	PRCC	PRCC	PRCC	SRRC	SRRC	SRRC	PCC	PCC	PCC	SRC	SRC	SRC	in	Variable	
				0.76	0.79	0.79				0.03	0.02	0.05			
														List	
Kd of Co-60 in Contaminated Zone	-0.83	-0.85	-0.85	-0.71	-0.73	-0.73	-0.05	-0.03	-0.04	-0.05	-0.03	-0.04		16	
Depth of roots	0.71	0.74	0.73	0.49	0.51	0.49	0.00	0.03	0.09	0.00	0.03	0.09		10	
Contaminated zone b parameter	-0.01	0.05	0.13	0.00	0.02	0.06	-0.08	0.02	0.02	-0.08	0.02	0.02		2	
Wet foliar interception fraction of leafy vegetables	-0.04	0.12	0.07	-0.02	0.06	0.03	-0.03	0.05	0.02	-0.03	0.05	0.02		13	
Weathering removal constant of all vegetables	-0.01	-0.10	-0.04	-0.01	-0.04	-0.02	-0.01	-0.03	-0.04	-0.01	-0.03	-0.04		12	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0.00	0.09	0.03	0.00	0.04	0.02	0.06	0.03	-0.04	0.06	0.03	-0.04		11	
Indoor dust filtration factor	-0.01	-0.06	-0.05	-0.01	-0.03	-0.02	0.02	-0.06	-0.03	0.02	-0.06	-0.03		8	
Humidity in air	0.04	-0.06	-0.08	0.02	-0.03	-0.04	0.09	-0.01	-0.03	0.09	-0.01	-0.03		14	
Mass loading for inhalation	-0.03	0.00	-0.06	-0.02	0.00	-0.03	0.00	-0.01	0.13	0.00	-0.01	0.13		7	
Cover erosion rate	0.04	-0.04	0.07	0.02	-0.02	0.03	0.01	0.02	0.12	0.01	0.02	0.12		15	
b Parameter of Unsaturated zone 1	0.01	0.00	0.03	0.00	0.00	0.01	0.00	-0.02	0.00	0.00	-0.02	0.00		6	
Wind Speed	-0.08	0.04	0.01	-0.04	0.02	0.00	0.03	0.07	-0.06	0.03	0.07	-0.06		4	
Runoff coefficient	-0.01	0.05	-0.02	0.00	0.02	-0.01	-0.06	0.02	-0.04	-0.06	0.02	-0.04		5	
Evapotranspiration coefficient	0.05	0.00	-0.07	0.02	0.00	-0.03	-0.04	0.00	0.00	-0.04	0.00	0.00		3	
Depth of soil mixing layer	0.02	-0.02	0.01	0.01	-0.01	0.00	-0.02	0.06	0.00	-0.02	0.06	0.00		9	
Contaminated zone erosion rate	-0.05	0.01	0.04	-0.02	0.00	0.02	-0.02	-0.02	0.01	-0.02	-0.02	0.01		1	
Kd of Co-60 in Saturated Zone	0.01	0.06	-0.07	0.01	0.03	-0.03	-0.01	0.03	0.00	-0.01	0.03	0.00		17	

The coefficient of determination ranges from 0 to 1; it provides a measure of the variation in the dependent variable (Dose or Risk) that is explained by the variation in the independent variables under the assumed linear regression model.