

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	
				0.91	0.90	0.90				0.06	0.12	0.05			
														List	
Kd of Pu-241 in Contaminated Zone	-0.95	-0.94	-0.95	-0.92	-0.91	-0.93	-0.19	-0.13	-0.12	-0.19	-0.13	-0.12		15	
Depth of roots	0.50	0.52	0.53	0.18	0.19	0.20	-0.06	0.05	0.03	-0.06	0.04	0.03		10	
Weathering removal constant of all vegetation	-0.29	-0.18	-0.25	-0.09	-0.06	-0.08	-0.03	-0.03	-0.03	-0.03	-0.02	-0.03		12	
Cover erosion rate	0.13	0.24	0.14	0.04	0.08	0.05	-0.04	0.09	0.00	-0.04	0.08	0.00		17	
Wet weight crop yield of fruit, grain and non-leafy vegetables	-0.20	-0.04	-0.12	-0.06	-0.01	-0.04	-0.05	-0.05	-0.02	-0.05	-0.05	-0.02		11	
Wet foliar interception fraction of leafy vegetables	0.10	0.17	0.07	0.03	0.05	0.02	0.05	0.04	-0.01	0.05	0.04	-0.01		13	
Humidity in air	0.00	-0.13	0.01	0.00	-0.04	0.00	0.00	0.01	-0.02	0.00	0.01	-0.02		14	
Mass loading for inhalation	-0.10	0.02	-0.04	-0.03	0.01	-0.01	0.00	0.01	0.01	0.00	0.01	0.01		7	
Depth of soil mixing layer	-0.05	0.00	-0.04	-0.02	0.00	-0.01	-0.02	0.08	-0.02	-0.02	0.08	-0.02		9	
Runoff coefficient	0.01	0.03	0.04	0.00	0.01	0.01	-0.03	-0.05	0.01	-0.03	-0.04	0.01		5	
Contaminated zone erosion rate	0.02	-0.05	0.09	0.00	-0.02	0.03	-0.03	0.00	0.02	-0.03	0.00	0.02		1	
b Parameter of Unsaturated zone 1	0.08	-0.05	0.03	0.03	-0.02	0.01	0.00	0.08	-0.02	0.00	0.07	-0.02		6	
Indoor dust filtration factor	-0.03	0.01	0.06	-0.01	0.00	0.02	-0.01	-0.06	-0.07	-0.01	-0.06	-0.07		8	
Contaminated zone b parameter	-0.12	0.03	0.05	-0.04	0.01	0.02	-0.04	0.08	0.15	-0.04	0.08	0.15		2	
Evapotranspiration coefficient	0.04	-0.01	0.00	0.01	0.00	0.00	-0.06	0.11	-0.09	-0.06	0.10	-0.09		3	
Kd of Pu-241 in Saturated Zone	0.09	-0.08	0.03	0.03	-0.03	0.01	0.05	0.25	-0.04	0.05	0.25	-0.04		16	
Wind Speed	0.06	-0.05	-0.02	0.02	-0.02	-0.01	0.05	0.00	-0.06	0.05	0.00	-0.06		4	

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.