

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	
				1.00	1.00	1.00				0.07	0.03	0.06			
														List	
Kd of Pu-238 in Contaminated Zone	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.23	-0.13	-0.19	-0.23	-0.13	-0.19		16	
Depth of roots	0.70	0.71	0.72	0.05	0.06	0.05	-0.02	0.01	0.06	-0.02	0.01	0.06		10	
Weathering removal constant of all vegetation	-0.45	-0.38	-0.42	-0.03	-0.02	-0.02	0.00	-0.01	0.00	0.00	-0.01	0.00		12	
Wet foliar interception fraction of leafy vegetables	0.23	0.21	0.23	0.01	0.01	0.01	-0.03	0.06	0.02	-0.03	0.05	0.02		13	
Wet weight crop yield of fruit, grain and non-leafy vegetables	-0.14	-0.14	-0.17	-0.01	-0.01	-0.01	0.06	-0.01	-0.04	0.06	-0.01	-0.04		11	
Cover erosion rate	0.06	0.01	0.05	0.00	0.00	0.00	-0.02	-0.01	0.05	-0.02	-0.01	0.05		15	
Mass loading for inhalation	-0.02	-0.01	-0.06	0.00	0.00	0.00	-0.01	-0.01	0.10	-0.01	-0.01	0.09		7	
Indoor dust filtration factor	-0.02	0.03	-0.09	0.00	0.00	0.00	0.01	-0.04	-0.01	0.01	-0.04	-0.01		8	
Runoff coefficient	-0.02	-0.02	-0.03	0.00	0.00	0.00	-0.06	0.01	-0.06	-0.06	0.01	-0.06		5	
Contaminated zone erosion rate	-0.06	0.01	-0.01	0.00	0.00	0.00	-0.02	-0.03	0.00	-0.02	-0.03	0.00		1	
Kd of Pu-238 in Saturated Zone	0.04	0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.01	0.00	-0.02		17	
b Parameter of Unsaturated zone 1	0.05	-0.05	-0.04	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00		6	
Humidity in air	-0.01	0.03	0.01	0.00	0.00	0.00	0.08	0.01	-0.03	0.08	0.01	-0.03		14	
Depth of soil mixing layer	0.05	-0.02	0.00	0.00	0.00	0.00	-0.02	0.06	-0.01	-0.02	0.06	-0.01		9	
Contaminated zone b parameter	-0.02	0.03	-0.02	0.00	0.00	0.00	-0.08	0.03	0.01	-0.07	0.03	0.01		2	
Evapotranspiration coefficient	0.11	0.00	-0.11	0.01	0.00	-0.01	-0.04	0.00	0.00	-0.04	0.00	0.00		3	
Wind Speed	-0.04	0.01	0.03	0.00	0.00	0.00	0.03	0.05	-0.05	0.03	0.05	-0.05		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.