

Title : RESRAD Default Parameters

File : FCS BFM INSITU UA CM-243.RAD

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	
				0.92	0.92	0.94				0.06	0.05	0.04			
														List	
Kd of Cm-243 in Contaminated Zone	-0.96	-0.96	-0.97	-0.93	-0.92	-0.94	-0.02	-0.02	-0.04	-0.02	-0.02	-0.04		16	
Depth of roots	0.66	0.65	0.67	0.24	0.24	0.23	-0.09	0.09	0.05	-0.09	0.09	0.05		10	
Wet weight crop yield of fruit, grain and non-leafy vegetables	0.00	-0.12	-0.08	0.00	-0.03	-0.02	0.01	0.02	-0.01	0.01	0.02	-0.01		11	
Runoff coefficient	-0.05	-0.06	-0.02	-0.01	-0.02	-0.01	0.05	0.04	0.13	0.05	0.04	0.13		5	
Weathering removal constant of all vegetation	-0.05	-0.05	-0.05	-0.01	-0.01	-0.01	-0.04	0.10	0.01	-0.04	0.10	0.01		12	
Evapotranspiration coefficient	0.02	0.08	0.04	0.00	0.02	0.01	-0.03	-0.01	-0.04	-0.03	-0.01	-0.04		3	
Indoor dust filtration factor	-0.01	0.10	0.04	0.00	0.03	0.01	-0.08	0.09	-0.05	-0.08	0.09	-0.05		8	
Cover erosion rate	0.03	0.05	0.05	0.01	0.01	0.01	-0.01	-0.04	-0.03	-0.01	-0.04	-0.03		15	
Kd of Cm-243 in Saturated Zone	0.05	0.06	0.01	0.01	0.02	0.00	-0.04	-0.02	-0.02	-0.04	-0.02	-0.02		17	
Humidity in air	-0.01	-0.05	-0.06	0.00	-0.01	-0.01	0.07	0.14	-0.07	0.07	0.14	-0.07		14	
Contaminated zone b parameter	-0.09	0.05	-0.05	-0.02	0.01	-0.01	-0.01	-0.01	0.07	-0.01	-0.01	0.07		2	
Contaminated zone erosion rate	-0.03	-0.12	0.08	-0.01	-0.04	0.02	0.00	0.00	-0.01	0.00	0.00	-0.01		1	
Depth of soil mixing layer	0.01	0.06	0.00	0.00	0.02	0.00	0.06	-0.02	0.02	0.06	-0.02	0.02		9	
Wet foliar interception fraction of leafy vegetables	0.00	0.03	0.05	0.00	0.01	0.01	-0.03	0.02	0.03	-0.03	0.02	0.03		13	
b Parameter of Unsaturated zone 1	-0.15	0.01	0.08	-0.04	0.00	0.02	0.18	-0.01	-0.01	0.18	-0.01	-0.01		6	
Mass loading for inhalation	-0.06	0.06	-0.01	-0.02	0.02	0.00	-0.01	0.05	-0.02	-0.01	0.05	-0.02		7	
Wind Speed	-0.04	-0.01	0.05	-0.01	0.00	0.01	0.02	-0.06	-0.04	0.02	-0.06	-0.04		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.