

Title : RESRAD Default Parameters

File : FCS BURIED PIPE 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	
				0.34	0.27	0.33				0.10	0.15	0.12			
														List	
Kd of Cm-243 in Contaminated Zone	-0.53	-0.48	-0.49	-0.51	-0.47	-0.46	-0.06	-0.01	-0.02	-0.05	-0.01	-0.02		16	
Well pump intake depth	-0.23	-0.16	-0.23	-0.19	-0.14	-0.20	-0.13	-0.09	-0.15	-0.12	-0.08	-0.14		18	
Cover erosion rate	0.09	0.16	0.29	0.07	0.14	0.25	0.23	0.35	0.26	0.23	0.35	0.27		15	
Depth of roots	0.11	0.08	-0.03	0.09	0.07	-0.03	-0.03	-0.04	-0.05	-0.03	-0.04	-0.05		10	
Wet weight crop yield of fruit, grain and non-leafy vegetables	-0.08	-0.05	-0.03	-0.06	-0.04	-0.02	-0.01	-0.01	-0.03	-0.01	-0.01	-0.03		11	
Contaminated zone b parameter	-0.01	-0.06	-0.04	-0.01	-0.05	-0.03	-0.06	0.05	-0.04	-0.06	0.05	-0.04		2	
b Parameter of Unsaturated zone 1	0.06	0.03	0.01	0.05	0.02	0.01	-0.05	0.00	-0.02	-0.05	0.00	-0.02		6	
Humidity in air	-0.10	0.00	0.01	-0.08	0.00	0.01	0.02	0.04	0.01	0.02	0.04	0.01		14	
Wet foliar interception fraction of leafy vegetables	-0.12	0.00	0.05	-0.10	0.00	0.04	0.03	-0.02	0.01	0.03	-0.02	0.01		13	
Mass loading for inhalation	0.11	-0.06	0.02	0.09	-0.05	0.01	0.04	0.01	0.01	0.04	0.00	0.01		7	
Indoor dust filtration factor	-0.02	-0.02	-0.01	-0.02	-0.02	0.00	-0.02	0.04	-0.05	-0.02	0.04	-0.04		8	
Evapotranspiration coefficient	0.02	-0.05	-0.01	0.02	-0.05	-0.01	0.05	0.03	-0.04	0.05	0.03	-0.04		3	
Runoff coefficient	-0.02	0.03	-0.06	-0.01	0.03	-0.05	0.00	0.03	0.03	0.00	0.02	0.03		5	
Contaminated zone erosion rate	0.02	-0.07	0.09	0.01	-0.06	0.07	0.07	-0.02	-0.03	0.07	-0.02	-0.03		1	
Weathering removal constant of all vegetation	-0.06	0.04	-0.02	-0.05	0.04	-0.02	-0.06	0.06	-0.04	-0.06	0.06	-0.04		12	
Depth of soil mixing layer	-0.03	0.08	-0.08	-0.02	0.07	-0.07	0.08	0.04	-0.11	0.08	0.04	-0.10		9	
Wind Speed	0.01	0.07	-0.07	0.01	0.06	-0.06	-0.03	0.10	-0.11	-0.03	0.10	-0.11		4	
Kd of Cm-243 in Saturated Zone	0.04	-0.05	0.02	0.03	-0.04	0.01	-0.02	-0.01	-0.03	-0.02	-0.01	-0.02		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.