

Title : RESRAD Default Parameters

File : FCS BFM INSITU UA NI-63.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	
				0.83	0.84	0.85				0.03	0.02	0.05			
														List	
Kd of Ni-63 in Contaminated Zone	-0.89	-0.90	-0.90	-0.80	-0.81	-0.81	-0.08	-0.04	-0.07	-0.08	-0.04	-0.07		16	
Depth of roots	0.70	0.73	0.73	0.41	0.42	0.42	0.01	0.04	0.10	0.01	0.04	0.09		10	
Weathering removal constant of all vegetation	-0.10	-0.16	-0.09	-0.04	-0.07	-0.04	-0.02	-0.04	-0.05	-0.02	-0.04	-0.05		12	
Cover erosion rate	0.09	0.01	0.10	0.04	0.00	0.04	-0.02	-0.01	0.09	-0.02	-0.01	0.09		15	
Contaminated zone b parameter	0.01	0.06	0.14	0.00	0.02	0.05	-0.08	0.02	0.02	-0.07	0.02	0.02		2	
Wet foliar interception fraction of leafy vegetables	-0.01	0.09	0.08	-0.01	0.04	0.03	-0.04	0.04	0.02	-0.04	0.04	0.02		13	
Indoor dust filtration factor	-0.01	-0.06	-0.06	-0.01	-0.02	-0.02	0.02	-0.05	-0.03	0.02	-0.05	-0.02		8	
Mass loading for inhalation	-0.07	0.01	-0.06	-0.03	0.00	-0.02	-0.01	-0.01	0.13	-0.01	-0.01	0.13		7	
Humidity in air	0.04	-0.05	-0.09	0.02	-0.02	-0.03	0.09	-0.01	-0.03	0.08	-0.01	-0.03		14	
Wet weight crop yield of fruit, grain and non-leafy vegetables	-0.04	0.06	0.05	-0.01	0.03	0.02	0.07	0.02	-0.04	0.07	0.02	-0.04		11	
Wind Speed	-0.07	0.02	-0.01	-0.03	0.01	0.00	0.03	0.06	-0.06	0.03	0.06	-0.06		4	
Contaminated zone erosion rate	-0.05	0.00	0.02	-0.02	0.00	0.01	-0.02	-0.03	0.00	-0.02	-0.03	0.00		1	
Depth of soil mixing layer	0.04	-0.02	0.01	0.02	-0.01	0.00	-0.02	0.06	0.00	-0.02	0.06	0.00		9	
b Parameter of Unsaturated zone 1	0.00	0.00	-0.02	0.00	0.00	-0.01	0.00	-0.02	0.00	0.00	-0.02	0.00		6	
Runoff coefficient	-0.01	0.06	-0.04	0.00	0.02	-0.02	-0.06	0.01	-0.05	-0.06	0.01	-0.05		5	
Kd of Ni-63 in Saturated Zone	0.02	0.06	-0.08	0.01	0.03	-0.03	-0.01	0.01	-0.01	-0.01	0.01	-0.01		17	
Evapotranspiration coefficient	0.06	-0.01	-0.06	0.02	0.00	-0.02	-0.04	0.00	0.00	-0.04	0.00	0.00		3	

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.