

Title : RESRAD Default Parameters

File : FCS BURIED PIPE INSITU UA C0-58.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	
				0.05	0.07	0.07				0.06	0.06	0.04			
														List	
Kd of Co-58 in Contaminated Zone	-0.15	-0.16	-0.23	-0.15	-0.16	-0.23	-0.08	-0.01	-0.04	-0.08	-0.01	-0.04		16	
Well pump intake depth	-0.09	-0.10	-0.06	-0.08	-0.10	-0.06	-0.12	-0.12	-0.09	-0.11	-0.12	-0.09		18	
Depth of roots	0.06	0.08	0.06	0.06	0.08	0.06	0.14	0.15	0.12	0.13	0.15	0.11		10	
Contaminated zone erosion rate	-0.05	-0.04	-0.02	-0.05	-0.04	-0.02	0.00	0.00	0.00	0.00	0.00	0.00		1	
Depth of soil mixing layer	0.00	0.11	-0.01	0.00	0.11	-0.01	-0.01	0.07	-0.04	-0.01	0.07	-0.04		9	
Evapotranspiration coefficient	0.03	-0.02	0.05	0.03	-0.02	0.04	0.05	0.00	0.07	0.05	0.00	0.07		3	
Indoor dust filtration factor	-0.01	-0.06	0.00	-0.01	-0.05	0.00	-0.01	-0.09	-0.02	-0.01	-0.09	-0.02		8	
Wind Speed	0.05	-0.01	0.01	0.05	-0.01	0.01	0.04	-0.03	0.01	0.04	-0.03	0.01		4	
Wet weight crop yield of fruit, grain and non-leafy vegetables	-0.01	-0.05	0.01	-0.01	-0.05	0.01	-0.01	-0.04	0.03	-0.01	-0.04	0.03		11	
b Parameter of Unsaturated zone 1	-0.08	0.05	0.01	-0.08	0.05	0.01	-0.09	0.05	-0.01	-0.09	0.04	-0.01		6	
Humidity in air	0.01	-0.02	0.04	0.01	-0.02	0.04	0.06	-0.02	0.01	0.06	-0.02	0.01		14	
Runoff coefficient	-0.01	0.04	-0.06	-0.01	0.04	-0.05	-0.01	0.03	-0.03	-0.01	0.03	-0.03		5	
Cover erosion rate	0.01	0.01	-0.04	0.01	0.01	-0.04	0.01	-0.06	-0.01	0.01	-0.06	-0.01		15	
Weathering removal constant of all vegetation	0.01	-0.04	0.04	0.01	-0.04	0.04	-0.01	0.01	0.07	-0.01	0.01	0.07		12	
Kd of Co-58 in Saturated Zone	0.04	-0.03	0.01	0.04	-0.03	0.01	0.02	0.04	0.00	0.02	0.04	0.00		17	
Contaminated zone b parameter	0.03	-0.01	-0.03	0.03	-0.01	-0.03	0.02	0.00	0.01	0.02	0.00	0.01		2	
Wet foliar interception fraction of leafy vegetables	-0.06	0.07	-0.02	-0.05	0.06	-0.01	-0.07	0.02	-0.03	-0.07	0.02	-0.03		13	
Mass loading for inhalation	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.02		7	

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.