Title : RESRAD Default Parameters

File : FCS BURIED PIPE INSITU UA SB-125.RAD

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 Regression Coefficients for Peak All Pathways

Description of Probabilistic Variable	PCC	PCC	PCC	SRC	SRC	SRC	PRCC	PRCC	PRCC	SRRC	SRRC	SRRC	Position in Variable List
Repetition =	1	2	3	1	2	3	1	2	3	1	2	3	
Coefficient of Determination (R-squared) =				0.43	0.63	0.15				0.17	0.21	0.19	
Cover erosion rate	0.64	0.79	0.35	0.63	0.78	0.35	0.05	0.05	0.01	0.04	0.05	0.01	15
Well pump intake depth	-0.14	-0.08	-0.09	-0.11	-0.05	-0.08	-0.30	-0.30	-0.25	-0.29	-0.28	-0.23	18
Evapotranspiration coefficient	0.05	0.06	0.11	0.04	0.03	0.11	0.09	0.10	0.14	0.08	0.09	0.13	3
Contaminated zone erosion rate	0.08	0.00	0.04	0.06	0.00	0.04	-0.05	-0.10	0.00	-0.04	-0.09	0.00	1
Wet foliar interception fraction of leafy vegetables	0.09	0.02	0.01	0.06	0.01	0.01	-0.06	0.06	-0.01	-0.06	0.05	-0.01	13
b Parameter of Unsaturated zone 1	-0.05	-0.05	-0.01	-0.04	-0.03	-0.01	-0.07	0.07	0.00	-0.06	0.07	0.00	6
Contaminated zone b parameter	0.02	-0.04	-0.06	0.01	-0.02	-0.05	-0.02	0.00	-0.05	-0.02	0.00	-0.05	2
Wet weight crop yield of fruit, grain and non-leafy vegetables	0.06	-0.01	0.02	0.05	0.00	0.02	-0.03	-0.05	0.00	-0.03	-0.05	0.00	11
Kd of Sb-125 in Contaminated Zone	-0.02	0.03	-0.05	-0.02	0.02	-0.05	-0.17	-0.16	-0.27	-0.16	-0.14	-0.26	16
Kd of Sb-125 in Saturated Zone	0.01	-0.03	-0.02	0.00	-0.02	-0.02	-0.20	-0.27	-0.22	-0.19	-0.25	-0.20	17
Mass loading for inhalation	0.02	0.03	0.00	0.02	0.02	0.00	0.02	-0.02	-0.03	0.02	-0.02	-0.03	7
Weathering removal constant of all vegetation	-0.02	0.01	0.04	-0.02	0.01	0.04	-0.03	-0.05	0.03	-0.03	-0.04	0.02	12
Humidity in air	0.04	0.01	-0.02	0.03	0.01	-0.02	0.00	0.01	0.02	0.00	0.01	0.01	14
Wind Speed	0.05	-0.06	-0.02	0.04	-0.04	-0.02	0.03	0.01	0.02	0.02	0.01	0.02	4
Indoor dust filtration factor	-0.02	0.03	0.02	-0.02	0.02	0.01	-0.02	-0.05	0.01	-0.01	-0.04	0.01	8
Depth of roots	-0.02	0.03	0.01	-0.01	0.02	0.01	0.08	0.14	0.06	0.07	0.13	0.05	10
Runoff coefficient	-0.03	-0.11	0.08	-0.02	-0.07	0.08	0.02	0.05	0.02	0.02	0.04	0.02	5
Depth of soil mixing layer	0.02	0.04	-0.04	0.01	0.02	-0.04	-0.04	0.12	-0.02	-0.03	0.10	-0.02	9

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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.