Title : RESRAD Default Parameters

File : FCS BFM INSITU UA CM-244.RAD

Regression Coefficients for Peak All Pathways

Repetition =	1	2	3	1	2	3	1	2	3	1	2	3	Position
Coefficient of Determination (R-squared) =				0.93	0.93	0.94				0.06	0.05	0.04	in
Description of Probabilistic Variable	PRCC	PRCC	PRCC	SRRC	SRRC	SRRC	PCC	PCC	PCC	SRC	SRC	SRC	Variable List
Kd of Cm-244 in Contaminated Zone	-0.96	-0.96	-0.97	-0.93	-0.93	-0.94	-0.02	-0.02	-0.04	-0.02	-0.02	-0.04	16
Depth of roots	0.68	0.67	0.69	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
Weathering removal constant of all vegetation	-0.04	-0.07	-0.07	-0.01	-0.02	-0.02	-0.04	0.10	0.01	-0.04	0.10	0.01	12
Kd of Cm-244 in Saturated Zone	0.06	0.05	0.02	0.02	0.01	0.01	-0.04	-0.02	-0.02	-0.04	-0.02	-0.02	17
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
Evapotranspiration coefficient	0.00	0.08	0.05	0.00	0.02	0.01	-0.03	-0.01	-0.04	-0.03	-0.01	-0.04	3
Indoor dust filtration factor	0.00	0.09	0.03	0.00	0.02	0.01	-0.08	0.09	-0.05	-0.08	0.09	-0.05	8
b Parameter of Unsaturated zone 1	-0.15	-0.02	0.09	-0.04	0.00	0.02	0.18	-0.01	-0.01	0.18	-0.01	-0.01	6
Contaminated zone erosion rate	-0.02	-0.13	0.06	0.00	-0.03	0.02	0.00	0.00	-0.01	0.00	0.00	-0.01	1
Humidity in air	-0.01	-0.02	-0.06	0.00	0.00	-0.01	0.07	0.14	-0.07	0.07	0.14	-0.07	14
Wet foliar interception fraction of leafy vegetables	0.00	0.01	0.06	0.00	0.00	0.02	-0.03	0.02	0.03	-0.03	0.02	0.03	13
Depth of soil mixing layer	0.00	0.06	0.00	0.00	0.01	0.00	0.06	-0.02	0.02	0.06	-0.02	0.02	9
Mass loading for inhalation	-0.07	0.03	-0.01	-0.02	0.01	0.00	-0.01	0.05	-0.02	-0.01	0.05	-0.02	7
Contaminated zone b parameter	-0.07	0.07	-0.04	-0.02	0.02	-0.01	-0.01	-0.01	0.07	-0.01	-0.01	0.07	2
Wind Speed	-0.05	0.02	0.05	-0.01	0.00	0.01	0.02	-0.06	-0.04	0.02	-0.06	-0.04	4
Cover erosion rate	-0.01	-0.02	0.02	0.00	-0.01	0.00	-0.02	-0.04	-0.03	-0.01	-0.04	-0.03	15

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.