

Title : RESRAD Default Parameters  
File : FCS BURIED PIPE INSITU UA EU-154.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	0.95	0.85				0.38	0.40	0.45	in				
Description of Probabilistic Variable														PCC	PCC	PCC	SRC	SRC	SRC	PRCC	PRCC	PRCC	SRRC	SRRC	SRRC	Variable	
Cover erosion rate														0.97	0.97	0.92	0.96	0.97	0.92	0.13	0.15	0.12	0.10	0.12	0.09	15	
b Parameter of Unsaturated zone														1	-0.10	-0.08	-0.02	-0.03	-0.02	-0.01	-0.05	0.04	0.03	-0.04	0.03	0.02	6
Contaminated zone b parameter														-0.02	0.03	-0.07	0.00	0.01	-0.03	0.00	0.08	-0.06	0.00	0.06	-0.05	2	
Wet foliar interception fraction of leafy vegetables														0.02	-0.06	-0.03	0.01	-0.01	-0.01	-0.07	0.07	0.01	-0.05	0.05	0.01	13	
Wind Speed														0.01	0.05	-0.08	0.00	0.01	-0.03	-0.01	0.08	0.05	-0.01	0.06	0.04	4	
Weathering removal constant of all vegetation														-0.01	-0.01	0.05	0.00	0.00	0.02	-0.01	-0.04	0.04	-0.01	-0.03	0.03	12	
Humidity in air														-0.02	0.07	-0.06	-0.01	0.02	-0.02	-0.02	0.00	0.01	-0.01	0.00	0.01	14	
Indoor dust filtration factor														0.04	-0.06	0.04	0.01	-0.01	0.01	0.00	-0.06	-0.03	0.00	-0.05	-0.03	8	
Evapotranspiration coefficient														-0.03	-0.01	0.04	-0.01	0.00	0.02	-0.04	-0.02	0.02	-0.03	-0.02	0.01	3	
Depth of roots														0.01	0.02	-0.03	0.00	0.00	-0.01	0.03	0.05	0.04	0.03	0.04	0.03	10	
Kd of Eu-154 in Saturated Zone														-0.01	-0.02	0.00	0.00	0.00	0.00	-0.04	-0.08	-0.05	-0.03	-0.06	-0.04	17	
Runoff coefficient														0.00	-0.03	0.01	0.00	-0.01	0.00	-0.03	0.01	-0.03	-0.02	0.01	-0.02	5	
Well pump intake depth														-0.04	0.00	0.05	-0.01	0.00	0.02	-0.12	-0.15	-0.12	-0.10	-0.12	-0.09	18	
Wet weight crop yield of fruit, grain and non-leafy vegetables														-0.04	0.02	0.02	-0.01	0.01	0.01	0.00	-0.04	0.05	0.00	-0.03	0.04	11	
Depth of soil mixing layer														-0.01	0.03	-0.02	0.00	0.01	-0.01	-0.05	0.13	-0.09	-0.04	0.10	-0.07	9	
Contaminated zone erosion rate														0.01	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.02	-0.03	-0.02	-0.02	-0.02	1	
Kd of Eu-154 in Contaminated Zone														-0.01	0.00	0.00	0.00	0.00	0.00	-0.59	-0.61	-0.66	-0.59	-0.59	-0.65	16	
Mass loading for inhalation														0.02	-0.02	0.00	0.00	0.00	0.00	0.03	-0.01	0.00	0.03	-0.01	0.00	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.