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0Number of Sample Runs: 3000
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Number	Name	Distribution	Parameters
AAAAAA	AAAAAAAAAAAAAAAAAAAAA	AAAAAAAAAAAAAAAAAAAAA	AAAAAAAAAAAAAAAAAAAAA
1	SHF3	UNIFORM	.15 .95
2	SHF1	BOUNDED LOGNORMAL-N	-1.3 .59 .044 1
3	DWIBWT	TRIANGULAR	6 10 30
4	DM	TRIANGULAR	0 .15 .6
5	DROOT	UNIFORM	.3 4
6	YV(1)	TRUNCATED LOGNORMAL-N	.56 .48 .001 .999
7	RWET(2)	TRIANGULAR	.06 .67 .95
8	WLAM	TRIANGULAR	5.1 18 84
9	MLINH	CONTINUOUS LINEAR	8 0 0 .000008 .0151
.000016	.1365 .00003 .8119	.00004 .9495	.00006 .9937 .000076 .9983 .0001 1
10	THICK0	UNIFORM	.15 3
11	H(1)	UNIFORM	.01 2.85
12	UW	UNIFORM	957 1689
13	DCACTC(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
14	DCACTU1(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
15	DCACTS(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
16	BRTF(28,1)	TRUNCATED LOGNORMAL-N	-3 .9 .001 .999
17	BRTF(28,2)	TRUNCATED LOGNORMAL-N	-5.3 .9 .001 .999
18	BRTF(28,3)	TRUNCATED LOGNORMAL-N	-3.91 .7 .001 .999
19	BBIO(28,1)	LOGNORMAL-N	4.6 1.1
20	RI	UNIFORM	.252 .618
ffffff	ffffffffffffffffffffff	ffffffffffffffffffffff	ffffffffffffffffffffff

Probabilistic results summary : Yankee Rowe Sensitivity Analysis=soil

File : NI-59.RAD

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	6.222E-03
2	0.000E+00	6.239E-03
3	0.000E+00	6.267E-03

1 RESRAD Regression and Correlation output 05/21/03 12:09 Page: Coef 1

Title : Yankee Rowe Sensitivity Analysis=soil

Input File : NI-59.RAD

Coefficients for peak of mean dose time Dose				PCC		SRC	
PRCC	Coefficient =						
	SRRC						
	Repetition =			1		1	
1	1						
Description of Probabilistic Variable				Sig	Coeff	Sig	Coeff
Sig	Coeff	Sig	Coeff				
Indoor dust filtration factor				7	0.03	9	0.02
19	-0.03	20	-0.01				
External gamma shielding factor				14	0.01	14	0.01
13	-0.03	16	-0.01				
Well pump intake depth				15	0.01	16	0.01
10	-0.04	13	-0.01				
Depth of soil mixing layer				18	-0.01	19	0.00
17	-0.03	19	-0.01				
Depth of roots				3	-0.30	4	-0.17
3	-0.63	4	-0.26				
Wet weight crop yield of fruit, grain and non-leafy vegetables				11	-0.02	11	-0.01
12	0.03	15	0.01				
Wet foliar interception fraction of leafy vegetables				13	0.02	13	0.01
8	-0.05	11	-0.01				
Weathering removal constant of all vegetation				16	-0.01	17	0.00
7	-0.05	10	-0.02				
Mass loading for inhalation				6	-0.03	8	-0.02
14	0.03	17	0.01				
Thickness of contaminated zone				5	0.05	3	0.20
4	0.16	3	0.34				
Thickness of Unsaturated zone 1				20	0.00	15	0.01
20	-0.01	7	-0.02				
Well pumping rate				8	-0.03	5	-0.06
18	0.03	6	0.03				
Kd of Ni-59 in Contaminated Zone				19	0.00	20	0.00
15	0.03	18	0.01				
Kd of Ni-59 in Unsaturated Zone 1				12	-0.02	12	-0.01
9	-0.04	12	-0.01				
Kd of Ni-59 in Saturated Zone				4	-0.08	7	-0.04
6	0.06	9	0.02				
Plant transfer factor for Ni				1	0.76	1	0.65
1	0.91	1	0.69				
Meat transfer factor for Ni				17	0.01	18	0.00
11	0.04	14	0.01				
Milk transfer factor for Ni				2	0.62	2	0.44
2	0.82	2	0.46				
Fish transfer factor for Ni				10	0.03	10	0.01
5	-0.07	8	-0.02				
Irrigation				9	0.03	6	0.06
16	-0.03	5	-0.03				
R-SQUARE				0.70		0.70	
0.90	0.90						

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 05/21/03 12:09 Page: Coef 2

Title : Yankee Rowe Sensitivity Analysis=soil

Input File : NI-59.RAD

Coefficients for peak of mean dose time Dose				PCC		SRC	
PRCC	Coefficient =						
	SRRC						

Repetition =				2	2
Description of Probabilistic Variable				Sig	Coeff
Sig	Coeff	Sig	Coeff		
Indoor dust filtration factor				8	0.05
17	0.01	17	0.00	11	0.02
External gamma shielding factor				11	0.03
7	0.04	10	0.01	12	0.02
Well pump intake depth				7	0.05
19	0.00	19	0.00	10	0.03
Depth of soil mixing layer				19	0.00
6	-0.05	9	-0.02	19	0.00
Depth of roots				3	-0.33
3	-0.62	4	-0.26	4	-0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables				20	0.00
11	0.02	13	0.01	20	0.00
Wet foliar interception fraction of leafy vegetables				16	-0.02
9	-0.03	12	-0.01	16	-0.01
Weathering removal constant of all vegetation				18	0.01
13	-0.02	14	-0.01	18	0.00
Mass loading for inhalation				6	-0.05
15	-0.02	15	-0.01	9	-0.03
Thickness of contaminated zone				5	0.09
4	0.13	3	0.31	3	0.30
Thickness of Unsaturated zone 1				14	0.02
12	-0.02	5	-0.05	5	0.08
Well pumping rate				10	0.03
14	-0.02	8	-0.02	7	0.06
Kd of Ni-59 in Contaminated Zone				15	0.02
20	0.00	20	0.00	15	0.01
Kd of Ni-59 in Unsaturated Zone 1				17	0.01
16	-0.02	16	-0.01	17	0.01
Kd of Ni-59 in Saturated Zone				12	0.03
8	-0.03	11	-0.01	13	0.01
Plant transfer factor for Ni				1	0.81
1	0.90	1	0.69	1	0.71
Meat transfer factor for Ni				4	0.11
5	0.07	7	0.02	8	0.05
Milk transfer factor for Ni				2	0.63
2	0.82	2	0.47	2	0.41
Fish transfer factor for Ni				13	-0.03
18	-0.01	18	0.00	14	-0.01
Irrigation				9	-0.04
10	0.03	6	0.03	6	-0.07
R-SQUARE				0.75	0.75
0.89	0.89				

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 05/21/03 12:09 Page: Coef 3
Title : Yankee Rowe Sensitivity Analysis=soil
Input File : NI-59.RAD

Coefficients for peak of mean dose time Dose					PCC	SRC
Coefficient =						
PRCC	SRRC				3	3
Repetition =						
3	3					
Description of Probabilistic Variable					Sig	Coeff
Sig Coeff Sig Coeff					Sig	Coeff
Indoor dust filtration factor					13	0.02
14	0.02	15	0.01	13	0.01	
External gamma shielding factor					18	0.00
7	-0.05	10	-0.02	20	0.00	
Well pump intake depth					4	-0.08
12	-0.03	13	-0.01	5	-0.04	
Depth of soil mixing layer					14	-0.02
15	-0.02	16	-0.01	14	-0.01	
Depth of roots					3	-0.33
				4	-0.19	

3	-0.62	4	-0.27						
Wet weight crop yield of fruit, grain and non-leafy vegetables						15	-0.02	15	-0.01
18	-0.01	18	0.00						
Wet foliar interception fraction of leafy vegetables						12	0.03	12	0.01
13	0.02	14	0.01						
Weathering removal constant of all vegetation						8	-0.05	8	-0.03
17	0.01	17	0.00						
Mass loading for inhalation						17	0.00	19	0.00
19	0.01	19	0.00						
Thickness of contaminated zone						5	0.07	3	0.25
4	0.18	3	0.40						
Thickness of Unsaturated zone 1						19	0.00	17	0.01
16	0.01	7	0.03						
Well pumping rate						16	0.00	16	0.01
9	0.05	5	0.05						
Kd of Ni-59 in Contaminated Zone						6	0.05	6	0.03
11	0.03	12	0.01						
Kd of Ni-59 in Unsaturated Zone 1						10	0.04	10	0.02
20	0.01	20	0.00						
Kd of Ni-59 in Saturated Zone						7	-0.05	7	-0.03
8	0.05	11	0.02						
Plant transfer factor for Ni						1	0.79	1	0.69
1	0.89	1	0.66						
Meat transfer factor for Ni						9	0.04	9	0.02
6	0.08	9	0.03						
Milk transfer factor for Ni						2	0.57	2	0.37
2	0.81	2	0.47						
Fish transfer factor for Ni						11	-0.03	11	-0.02
5	0.08	8	0.03						
Irrigation						20	0.00	18	0.00
10	-0.04	6	-0.05						
R-SQUARE									
0.89		0.89							
						0.72		0.72	

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Number	Name	Distribution	Parameters
1	SHF3	UNIFORM	.15 .95
2	SHF1	BOUNDED LOGNORMAL-N	-1.3 .59 .044 1
3	DWIBWT	TRIANGULAR	6 10 30
4	DM	TRIANGULAR	0 .15 .6
5	DROOT	UNIFORM	.3 4
6	YV(1)	TRUNCATED LOGNORMAL-N	.56 .48 .001 .999
7	RWET(2)	TRIANGULAR	.06 .67 .95
8	WLAM	TRIANGULAR	5.1 18 84
9	MLINH	CONTINUOUS LINEAR	8 0 0 .000008 .0151
.000016	.1365 .00003 .8119	.00004 .9495	.00006 .9937 .000076 .9983 .0001 1
10	THICK0	UNIFORM	.15 3
11	UW	UNIFORM	957 1689
12	H(1)	UNIFORM	.01 2.85
13	DCACTC(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
14	DCACTU1(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
15	DCACTS(1)	TRUNCATED LOGNORMAL-N	6.05 1.46 .001 .999
16	BRTF(28,1)	TRUNCATED LOGNORMAL-N	-3 .9 .001 .999
17	BRTF(28,2)	TRUNCATED LOGNORMAL-N	-5.3 .9 .001 .999
18	BRTF(28,3)	TRUNCATED LOGNORMAL-N	-3.91 .7 .001 .999
19	BBIO(28,1)	LOGNORMAL-N	4.6 1.1
20	RI	UNIFORM	.252 .618

Probabilistic results summary : Yankee Rowe Sensitivity Analysis=soil

File : YR_Ni-63.RAD

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.703E-02
2	0.000E+00	1.708E-02
3	0.000E+00	1.716E-02

1 RESRAD Regression and Correlation output 04/29/03 18:21 Page: Coef 1

Title : Yankee Rowe Sensitivity Analysis=soil

Input File : YR_Ni-63.RAD

Coefficients for peak of mean dose time Dose				PCC		SRC	
PRCC	Coefficient =						
	SRRC						
	Repetition =			1		1	
1	1						
Description of Probabilistic Variable				Sig	Coeff	Sig	Coeff
Sig	Coeff	Sig	Coeff				
Indoor dust filtration factor				7	0.03	9	0.02
17	-0.03	20	-0.01				
External gamma shielding factor				14	0.01	14	0.01
13	-0.03	16	-0.01				
Well pump intake depth				15	0.01	16	0.01
10	-0.04	13	-0.01				
Depth of soil mixing layer				18	-0.01	19	0.00
16	-0.03	19	-0.01				
Depth of roots				3	-0.30	4	-0.17
3	-0.63	4	-0.26				
Wet weight crop yield of fruit, grain and non-leafy vegetables				12	-0.02	12	-0.01
12	0.03	15	0.01				
Wet foliar interception fraction of leafy vegetables				13	0.02	13	0.01
8	-0.05	11	-0.01				
Weathering removal constant of all vegetation				16	-0.01	17	0.00
7	-0.05	9	-0.02				
Mass loading for inhalation				6	-0.03	8	-0.02
14	0.03	17	0.01				
Thickness of contaminated zone				5	0.05	3	0.20
4	0.15	3	0.34				
Well pumping rate				9	-0.03	6	-0.06
19	0.01	10	0.02				
Thickness of Unsaturated zone 1				20	0.00	15	0.01
20	-0.01	5	-0.03				
Kd of Ni-63 in Contaminated Zone				19	0.00	20	0.00
15	0.03	18	0.01				
Kd of Ni-63 in Unsaturated Zone 1				11	-0.02	11	-0.01
9	-0.04	12	-0.01				
Kd of Ni-63 in Saturated Zone				4	-0.08	7	-0.04
6	0.06	8	0.02				
Plant transfer factor for Ni				1	0.76	1	0.65
1	0.91	1	0.69				
Meat transfer factor for Ni				17	0.01	18	0.00
11	0.04	14	0.01				
Milk transfer factor for Ni				2	0.62	2	0.44
2	0.82	2	0.46				
Fish transfer factor for Ni				10	0.03	10	0.01
5	-0.07	6	-0.02				
Irrigation				8	0.03	5	0.06
18	-0.02	7	-0.02				
R-SQUARE				0.70		0.70	
0.90	0.90						

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 04/29/03 18:21 Page: Coef 2

Title : Yankee Rowe Sensitivity Analysis=soil

Input File : YR_Ni-63.RAD

Coefficients for peak of mean dose time Dose				PCC		SRC	
PRCC	Coefficient =						
	SRRC						

Repetition =				2	2
Description of Probabilistic Variable				Sig	Coeff
Sig	Coeff	Sig	Coeff		
Indoor dust filtration factor				10	0.05
16	0.01	17	0.00	10	0.02
External gamma shielding factor				11	0.03
9	0.04	9	0.01	11	0.02
Well pump intake depth				9	0.05
19	0.00	19	0.00	9	0.03
Depth of soil mixing layer				18	0.00
6	-0.05	8	-0.02	18	0.00
Depth of roots				3	-0.33
3	-0.62	4	-0.26	4	-0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables				20	0.00
12	0.02	12	0.01	20	0.00
Wet foliar interception fraction of leafy vegetables				16	-0.01
10	-0.04	10	-0.01	17	-0.01
Weathering removal constant of all vegetation				17	0.01
13	-0.02	14	-0.01	18	0.00
Mass loading for inhalation				8	-0.05
14	-0.02	15	-0.01	8	-0.03
Thickness of contaminated zone				5	0.06
4	0.16	3	0.35	3	0.20
Well pumping rate				6	0.06
7	-0.05	5	-0.06	5	0.10
Thickness of Unsaturated zone 1				19	0.00
18	0.00	13	-0.01	12	-0.02
Kd of Ni-63 in Contaminated Zone				14	0.02
20	0.00	20	0.00	15	0.01
Kd of Ni-63 in Unsaturated Zone 1				15	0.01
15	-0.02	16	-0.01	16	0.01
Kd of Ni-63 in Saturated Zone				12	0.03
11	-0.03	11	-0.01	13	0.02
Plant transfer factor for Ni				1	0.81
1	0.90	1	0.69	1	0.71
Meat transfer factor for Ni				4	0.11
5	0.07	7	0.02	7	0.05
Milk transfer factor for Ni				2	0.63
2	0.82	2	0.47	2	0.41
Fish transfer factor for Ni				13	-0.03
17	-0.01	18	0.00	14	-0.01
Irrigation				7	-0.06
8	0.05	6	0.05	6	-0.10
R-SQUARE				0.75	0.75
0.89	0.89				

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

1 RESRAD Regression and Correlation output 04/29/03 18:21 Page: Coef 3
Title : Yankee Rowe Sensitivity Analysis=soil
Input File : YR_Ni-63.RAD

Coefficients for peak of mean dose time Dose							
Coefficient =				PCC	SRC		
PRCC	SRRC						
Repetition =				3	3		
3	3						
Description of Probabilistic Variable				Sig	Coeff	Sig	Coeff
Sig Coeff Sig Coeff							
Indoor dust filtration factor				13	0.02	16	0.01
14	0.02	14	0.01				
External gamma shielding factor				20	0.00	20	0.00
8	-0.05	10	-0.02				
Well pump intake depth				5	-0.08	6	-0.04
11	-0.03	12	-0.01				
Depth of soil mixing layer				15	-0.02	17	-0.01
15	-0.02	15	-0.01				
Depth of roots				3	-0.33	4	-0.19

3 -0.62	4 -0.27		
Wet weight crop yield of fruit, grain and non-leafy vegetables		16 -0.02	18 -0.01
17 -0.01	17 0.00		
Wet foliar interception fraction of leafy vegetables		12 0.03	15 0.01
13 0.02	13 0.01		
Weathering removal constant of all vegetation		8 -0.05	11 -0.03
16 0.01	16 0.00		
Mass loading for inhalation		19 0.00	19 0.00
18 0.01	19 0.00		
Thickness of contaminated zone		4 0.09	3 0.31
4 0.16	3 0.38		
Well pumping rate		18 0.01	10 0.03
12 0.02	6 0.03		
Thickness of Unsaturated zone 1		14 0.02	5 0.07
20 0.00	18 0.00		
Kd of Ni-63 in Contaminated Zone		6 0.05	8 0.03
10 0.04	11 0.01		
Kd of Ni-63 in Unsaturated Zone 1		10 0.04	13 0.02
19 0.00	20 0.00		
Kd of Ni-63 in Saturated Zone		7 -0.05	9 -0.03
7 0.05	9 0.02		
Plant transfer factor for Ni		1 0.79	1 0.69
1 0.89	1 0.66		
Meat transfer factor for Ni		9 0.04	12 0.02
5 0.08	7 0.03		
Milk transfer factor for Ni		2 0.57	2 0.37
2 0.81	2 0.47		
Fish transfer factor for Ni		11 -0.03	14 -0.02
6 0.08	8 0.03		
Irrigation		17 -0.02	7 -0.03
9 -0.04	5 -0.04		
R-SQUARE		0.72	0.72
0.89	0.89		

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.