

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3										
Min	0.00E+00	5.78E-03	5.78E-03	6.04E-04	4.67E-05	8.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.70E+00	4.51E-02	4.51E-02	2.73E-02	2.04E-02	8.38E-03	4.52E-04	1.36E-28	0.00E+00	0.00E+00
Avg	2.94E-03	1.80E-02	1.80E-02	6.04E-03	2.68E-03	1.35E-03	1.69E-06	1.08E-31	0.00E+00	0.00E+00
Std	6.18E-02	8.44E-03	8.44E-03	3.80E-03	2.83E-03	1.30E-03	2.00E-05	0.00E+00	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	5.78E-03	5.78E-03	6.04E-04	4.67E-05	8.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.70E+00	4.51E-02	4.51E-02	2.73E-02	2.04E-02	8.38E-03	4.52E-04	1.36E-28	0.00E+00	0.00E+00
Avg	2.94E-03	1.80E-02	1.80E-02	6.04E-03	2.68E-03	1.35E-03	1.69E-06	1.08E-31	0.00E+00	0.00E+00
Std	6.18E-02	8.44E-03	8.44E-03	3.80E-03	2.83E-03	1.30E-03	2.00E-05	0.00E+00	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
H-3									
Min		5.53E-07	1.26E-07	4.43E-09	3.64E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.89E-06	2.16E-06	1.21E-06	5.51E-07	2.67E-08	0.00E+00	0.00E+00	0.00E+00
Avg		2.33E-06	6.40E-07	1.75E-07	8.10E-08	1.25E-10	0.00E+00	0.00E+00	0.00E+00
Std		1.04E-06	3.23E-07	1.69E-07	7.90E-08	1.31E-09	0.00E+00	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		5.53E-07	1.26E-07	4.43E-09	3.64E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.89E-06	2.16E-06	1.21E-06	5.51E-07	2.67E-08	0.00E+00	0.00E+00	0.00E+00
Avg		2.33E-06	6.40E-07	1.75E-07	8.10E-08	1.25E-10	0.00E+00	0.00E+00	0.00E+00
Std		1.04E-06	3.23E-07	1.69E-07	7.90E-08	1.31E-09	0.00E+00	0.00E+00	0.00E+00
<hr/>									

ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	1.31E-04	1.53E-05	2.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.56E-04	1.71E-04	3.79E-05	2.18E-07	1.72E-13	0.00E+00	0.00E+00	0.00E+00
Avg	3.34E-04	6.54E-05	4.10E-06	2.71E-09	2.33E-16	0.00E+00	0.00E+00	0.00E+00
Std	9.22E-05	2.61E-05	4.72E-06	1.21E-08	4.72E-15	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	1.31E-04	1.53E-05	2.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.56E-04	1.71E-04	3.79E-05	2.18E-07	1.72E-13	0.00E+00	0.00E+00	0.00E+00
Avg	3.34E-04	6.54E-05	4.10E-06	2.71E-09	2.33E-16	0.00E+00	0.00E+00	0.00E+00
Std	9.22E-05	2.61E-05	4.72E-06	1.21E-08	4.72E-15	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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Probabilistic Dose vs Pathway(i): Radon (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL is total pathway dose summed for all nuclides.

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Probabilistic Dose vs Pathway(i): Plant (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<b>H-3</b>								
Min	2.34E-03	1.64E-04	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.93E-02	6.87E-03	1.25E-03	4.74E-06	3.67E-12	0.00E+00	0.00E+00	0.00E+00
Avg	7.79E-03	1.70E-03	1.22E-04	7.91E-08	4.66E-15	0.00E+00	0.00E+00	0.00E+00
Std	3.99E-03	1.30E-03	1.75E-04	3.02E-07	9.79E-14	0.00E+00	0.00E+00	0.00E+00
<b>ALL</b>								
Min	2.34E-03	1.64E-04	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.93E-02	6.87E-03	1.25E-03	4.74E-06	3.67E-12	0.00E+00	0.00E+00	0.00E+00
Avg	7.79E-03	1.70E-03	1.22E-04	7.91E-08	4.66E-15	0.00E+00	0.00E+00	0.00E+00
Std	3.99E-03	1.30E-03	1.75E-04	3.02E-07	9.79E-14	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.



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Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	3.02E-04	2.87E-05	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.42E-03	8.62E-04	1.54E-04	5.87E-07	4.57E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.03E-03	2.31E-04	1.60E-05	1.01E-08	5.84E-16	0.00E+00	0.00E+00	0.00E+00
Std	5.12E-04	1.64E-04	2.22E-05	3.78E-08	1.22E-14	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	3.02E-04	2.87E-05	6.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.42E-03	8.62E-04	1.54E-04	5.87E-07	4.57E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.03E-03	2.31E-04	1.60E-05	1.01E-08	5.84E-16	0.00E+00	0.00E+00	0.00E+00
Std	5.12E-04	1.64E-04	2.22E-05	3.78E-08	1.22E-14	0.00E+00	0.00E+00	0.00E+00
<hr/>								

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Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	2.27E-03	1.94E-04	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.84E-02	6.56E-03	1.18E-03	4.47E-06	3.47E-12	0.00E+00	0.00E+00	0.00E+00
Avg	7.67E-03	1.71E-03	1.20E-04	7.61E-08	4.42E-15	0.00E+00	0.00E+00	0.00E+00
Std	3.87E-03	1.25E-03	1.69E-04	2.87E-07	9.27E-14	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	2.27E-03	1.94E-04	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.84E-02	6.56E-03	1.18E-03	4.47E-06	3.47E-12	0.00E+00	0.00E+00	0.00E+00
Avg	7.67E-03	1.71E-03	1.20E-04	7.61E-08	4.42E-15	0.00E+00	0.00E+00	0.00E+00
Std	3.87E-03	1.25E-03	1.69E-04	2.87E-07	9.27E-14	0.00E+00	0.00E+00	0.00E+00

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	3.03E-07	1.76E-08	2.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.63E-07	3.36E-07	8.57E-08	6.98E-10	5.52E-16	0.00E+00	0.00E+00	0.00E+00
Avg	4.54E-07	1.01E-07	7.74E-09	6.76E-12	7.09E-19	0.00E+00	0.00E+00	0.00E+00
Std	7.52E-08	6.07E-08	1.10E-08	3.34E-11	1.50E-17	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	3.03E-07	1.76E-08	2.35E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.63E-07	3.36E-07	8.57E-08	6.98E-10	5.52E-16	0.00E+00	0.00E+00	0.00E+00
Avg	4.54E-07	1.01E-07	7.74E-09	6.76E-12	7.09E-19	0.00E+00	0.00E+00	0.00E+00
Std	7.52E-08	6.07E-08	1.10E-08	3.34E-11	1.50E-17	0.00E+00	0.00E+00	0.00E+00

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	0.00E+00	0.00E+00	1.74E-05	5.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.56E-03	1.26E-02	1.35E-02	5.50E-03	2.98E-04	9.39E-29	0.00E+00	0.00E+00
Avg	7.98E-04	1.56E-03	1.60E-03	8.95E-04	1.11E-06	7.54E-32	0.00E+00	0.00E+00
Std	1.01E-03	1.83E-03	1.86E-03	8.62E-04	1.32E-05	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	1.74E-05	5.65E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.56E-03	1.26E-02	1.35E-02	5.50E-03	2.98E-04	9.39E-29	0.00E+00	0.00E+00
Avg	7.98E-04	1.56E-03	1.60E-03	8.95E-04	1.11E-06	7.54E-32	0.00E+00	0.00E+00
Std	1.01E-03	1.83E-03	1.86E-03	8.62E-04	1.32E-05	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
TOTAL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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TOTAL is total pathway dose summed for all nuclides.

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Probabilistic Dose vs Pathway(i): Radon (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
TOTAL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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TOTAL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Probabilistic Dose vs Pathway(i): Plant (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
H-3								
Min	0.00E+00	0.00E+00	3.00E-06	8.71E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.28E-03	2.08E-03	2.07E-03	9.94E-04	4.87E-05	1.09E-29	0.00E+00	0.00E+00
Avg	1.19E-04	2.44E-04	2.53E-04	1.42E-04	1.83E-07	8.14E-33	0.00E+00	0.00E+00
Std	1.53E-04	2.88E-04	2.92E-04	1.38E-04	2.16E-06	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	3.00E-06	8.71E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.28E-03	2.08E-03	2.07E-03	9.94E-04	4.87E-05	1.09E-29	0.00E+00	0.00E+00
Avg	1.19E-04	2.44E-04	2.53E-04	1.42E-04	1.83E-07	8.14E-33	0.00E+00	0.00E+00
Std	1.53E-04	2.88E-04	2.92E-04	1.38E-04	2.16E-06	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Probabilistic Dose vs Pathway(i): Meat (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	0.00E+00	0.00E+00	9.81E-07	4.55E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.42E-04	7.88E-04	8.53E-04	3.60E-04	1.91E-05	6.03E-30	0.00E+00	0.00E+00
Avg	4.53E-05	9.74E-05	1.02E-04	5.70E-05	7.31E-08	4.71E-33	0.00E+00	0.00E+00
Std	5.79E-05	1.15E-04	1.18E-04	5.50E-05	8.52E-07	0.00E+00	0.00E+00	0.00E+00
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ALL								
Min	0.00E+00	0.00E+00	9.81E-07	4.55E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.42E-04	7.88E-04	8.53E-04	3.60E-04	1.91E-05	6.03E-30	0.00E+00	0.00E+00
Avg	4.53E-05	9.74E-05	1.02E-04	5.70E-05	7.31E-08	4.71E-33	0.00E+00	0.00E+00
Std	5.79E-05	1.15E-04	1.18E-04	5.50E-05	8.52E-07	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Probabilistic Dose vs Pathway(i): Milk (Water Dep.)

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
H-3								
Min	0.00E+00	0.00E+00	4.81E-06	1.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.12E-03	3.55E-03	3.82E-03	1.60E-03	8.58E-05	2.55E-29	0.00E+00	0.00E+00
Avg	2.18E-04	4.40E-04	4.56E-04	2.55E-04	3.22E-07	1.99E-32	0.00E+00	0.00E+00
Std	2.77E-04	5.18E-04	5.28E-04	2.46E-04	3.79E-06	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	4.81E-06	1.73E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.12E-03	3.55E-03	3.82E-03	1.60E-03	8.58E-05	2.55E-29	0.00E+00	0.00E+00
Avg	2.18E-04	4.40E-04	4.56E-04	2.55E-04	3.22E-07	1.99E-32	0.00E+00	0.00E+00
Std	2.77E-04	5.18E-04	5.28E-04	2.46E-04	3.79E-06	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	7.85E-03	1.60E-03	2.59E-04	4.20E-05	5.02E-25	0.00E+00	0.00E+00	0.00E+00
0.050	8.38E-03	1.88E-03	3.39E-04	9.21E-05	3.96E-20	0.00E+00	0.00E+00	0.00E+00
0.075	8.73E-03	2.10E-03	4.37E-04	1.36E-04	7.94E-17	0.00E+00	0.00E+00	0.00E+00
0.100	9.11E-03	2.35E-03	5.15E-04	1.84E-04	9.70E-16	0.00E+00	0.00E+00	0.00E+00
0.125	9.46E-03	2.52E-03	5.92E-04	2.27E-04	7.53E-15	0.00E+00	0.00E+00	0.00E+00
0.150	9.82E-03	2.67E-03	6.72E-04	2.79E-04	2.03E-14	0.00E+00	0.00E+00	0.00E+00
0.175	1.01E-02	2.87E-03	7.48E-04	3.25E-04	4.81E-14	0.00E+00	0.00E+00	0.00E+00
0.200	1.04E-02	3.02E-03	8.37E-04	3.67E-04	9.63E-14	0.00E+00	0.00E+00	0.00E+00
0.225	1.06E-02	3.21E-03	9.21E-04	4.12E-04	2.24E-13	0.00E+00	0.00E+00	0.00E+00
0.250	1.09E-02	3.36E-03	9.86E-04	4.74E-04	4.64E-13	0.00E+00	0.00E+00	0.00E+00
0.275	1.12E-02	3.52E-03	1.06E-03	5.18E-04	9.75E-13	0.00E+00	0.00E+00	0.00E+00
0.300	1.16E-02	3.69E-03	1.14E-03	5.63E-04	1.77E-12	0.00E+00	0.00E+00	0.00E+00
0.325	1.20E-02	3.84E-03	1.21E-03	6.18E-04	3.65E-12	0.00E+00	0.00E+00	0.00E+00
0.350	1.23E-02	3.98E-03	1.28E-03	6.56E-04	5.19E-12	0.00E+00	0.00E+00	0.00E+00
0.375	1.27E-02	4.17E-03	1.37E-03	7.01E-04	7.91E-12	0.00E+00	0.00E+00	0.00E+00
0.400	1.31E-02	4.33E-03	1.45E-03	7.41E-04	1.29E-11	0.00E+00	0.00E+00	0.00E+00
0.425	1.37E-02	4.48E-03	1.53E-03	7.96E-04	2.36E-11	0.00E+00	0.00E+00	0.00E+00
0.450	1.42E-02	4.62E-03	1.62E-03	8.50E-04	3.95E-11	0.00E+00	0.00E+00	0.00E+00
0.475	1.47E-02	4.79E-03	1.70E-03	9.02E-04	5.90E-11	0.00E+00	0.00E+00	0.00E+00
0.500	1.53E-02	4.99E-03	1.78E-03	9.58E-04	8.26E-11	0.00E+00	0.00E+00	0.00E+00
0.525	1.58E-02	5.16E-03	1.90E-03	9.96E-04	1.20E-10	0.00E+00	0.00E+00	0.00E+00
0.550	1.65E-02	5.35E-03	1.98E-03	1.07E-03	1.86E-10	0.00E+00	0.00E+00	0.00E+00
0.575	1.73E-02	5.63E-03	2.08E-03	1.13E-03	2.68E-10	0.00E+00	0.00E+00	0.00E+00
0.600	1.81E-02	5.86E-03	2.20E-03	1.20E-03	3.69E-10	0.00E+00	0.00E+00	0.00E+00
0.625	1.89E-02	6.04E-03	2.32E-03	1.28E-03	6.26E-10	0.00E+00	0.00E+00	0.00E+00
0.650	2.01E-02	6.33E-03	2.48E-03	1.34E-03	9.01E-10	0.00E+00	0.00E+00	0.00E+00
0.675	2.13E-02	6.65E-03	2.60E-03	1.43E-03	1.36E-09	0.00E+00	0.00E+00	0.00E+00
0.700	2.27E-02	6.93E-03	2.82E-03	1.54E-03	2.05E-09	0.00E+00	0.00E+00	0.00E+00
0.725	2.37E-02	7.28E-03	2.98E-03	1.66E-03	3.28E-09	0.00E+00	0.00E+00	0.00E+00
0.750	2.46E-02	7.58E-03	3.24E-03	1.79E-03	4.78E-09	0.00E+00	0.00E+00	0.00E+00
0.775	2.56E-02	7.99E-03	3.50E-03	1.96E-03	7.03E-09	0.00E+00	0.00E+00	0.00E+00
0.800	2.64E-02	8.56E-03	3.82E-03	2.11E-03	9.34E-09	0.00E+00	0.00E+00	0.00E+00
0.825	2.74E-02	9.12E-03	4.03E-03	2.29E-03	1.40E-08	0.00E+00	0.00E+00	0.00E+00
0.850	2.84E-02	9.88E-03	4.48E-03	2.54E-03	2.24E-08	0.00E+00	0.00E+00	0.00E+00
0.875	2.97E-02	1.07E-02	4.96E-03	2.74E-03	3.34E-08	0.00E+00	0.00E+00	0.00E+00
0.900	3.09E-02	1.15E-02	5.58E-03	3.05E-03	6.32E-08	0.00E+00	0.00E+00	0.00E+00
0.925	3.20E-02	1.23E-02	6.69E-03	3.37E-03	1.55E-07	0.00E+00	0.00E+00	0.00E+00
0.950	3.43E-02	1.35E-02	8.73E-03	4.02E-03	3.92E-07	0.00E+00	0.00E+00	0.00E+00
0.975	3.62E-02	1.58E-02	1.15E-02	4.91E-03	1.97E-06	0.00E+00	0.00E+00	0.00E+00
1.000	4.51E-02	2.73E-02	2.04E-02	8.38E-03	4.52E-04	1.36E-28	0.00E+00	0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.02E-03	4.51E-02	1.80E-02	1.54E-02	3.09E-02	3.38E-02	3.56E-02	3.97E-02
1.00E+00	8.12E-04	2.73E-02	6.08E-03	5.02E-03	1.13E-02	1.39E-02	1.67E-02	1.91E-02
1.06E+00	7.34E-04	2.67E-02	5.80E-03	4.74E-03	1.10E-02	1.33E-02	1.65E-02	1.90E-02
1.12E+00	6.64E-04	2.62E-02	5.53E-03	4.50E-03	1.05E-02	1.29E-02	1.63E-02	1.89E-02
1.19E+00	6.03E-04	2.56E-02	5.27E-03	4.26E-03	1.01E-02	1.24E-02	1.59E-02	1.87E-02
1.25E+00	5.48E-04	2.50E-02	5.02E-03	4.05E-03	9.83E-03	1.20E-02	1.56E-02	1.83E-02
1.33E+00	4.98E-04	2.45E-02	4.79E-03	3.84E-03	9.51E-03	1.15E-02	1.53E-02	1.82E-02
1.40E+00	4.55E-04	2.39E-02	4.56E-03	3.57E-03	9.11E-03	1.13E-02	1.52E-02	1.82E-02
1.49E+00	4.17E-04	2.34E-02	4.35E-03	3.37E-03	8.77E-03	1.12E-02	1.50E-02	1.79E-02
1.57E+00	3.84E-04	2.29E-02	4.15E-03	3.17E-03	8.26E-03	1.11E-02	1.49E-02	1.75E-02
1.66E+00	3.55E-04	2.24E-02	3.96E-03	3.00E-03	7.95E-03	1.10E-02	1.49E-02	1.71E-02
1.76E+00	3.13E-04	2.19E-02	3.79E-03	2.84E-03	7.58E-03	1.08E-02	1.48E-02	1.69E-02
1.86E+00	2.61E-04	2.14E-02	3.63E-03	2.68E-03	7.18E-03	1.06E-02	1.45E-02	1.68E-02
1.97E+00	2.16E-04	2.10E-02	3.48E-03	2.54E-03	6.81E-03	1.05E-02	1.43E-02	1.67E-02
2.09E+00	1.79E-04	2.05E-02	3.34E-03	2.39E-03	6.48E-03	1.04E-02	1.42E-02	1.65E-02
2.21E+00	1.49E-04	2.01E-02	3.22E-03	2.26E-03	6.37E-03	1.03E-02	1.40E-02	1.64E-02
2.24E+00	1.24E-04	1.97E-02	3.10E-03	2.12E-03	6.32E-03	1.02E-02	1.39E-02	1.63E-02
2.27E+00	1.04E-04	1.94E-02	3.00E-03	2.02E-03	6.27E-03	1.01E-02	1.37E-02	1.62E-02
2.262E+00	8.82E-05	1.90E-02	2.90E-03	1.93E-03	6.11E-03	9.96E-03	1.36E-02	1.61E-02
2.277E+00	7.59E-05	1.87E-02	2.82E-03	1.83E-03	6.02E-03	9.79E-03	1.34E-02	1.59E-02
2.293E+00	6.64E-05	1.83E-02	2.74E-03	1.75E-03	5.87E-03	9.63E-03	1.33E-02	1.58E-02
3.00E+00	6.33E-05	1.82E-02	2.71E-03	1.73E-03	5.80E-03	9.58E-03	1.32E-02	1.57E-02
3.310E+00	5.93E-05	1.80E-02	2.67E-03	1.70E-03	5.72E-03	9.52E-03	1.31E-02	1.56E-02
3.328E+00	5.39E-05	1.77E-02	2.60E-03	1.64E-03	5.65E-03	9.41E-03	1.29E-02	1.53E-02
3.48E+00	5.00E-05	1.74E-02	2.54E-03	1.60E-03	5.58E-03	9.30E-03	1.27E-02	1.51E-02
3.68E+00	4.70E-05	1.71E-02	2.48E-03	1.56E-03	5.51E-03	9.19E-03	1.21E-02	1.49E-02
3.89E+00	4.49E-05	1.69E-02	2.41E-03	1.50E-03	5.45E-03	8.92E-03	1.16E-02	1.43E-02
4.12E+00	4.32E-05	1.66E-02	2.35E-03	1.47E-03	5.25E-03	8.56E-03	1.11E-02	1.41E-02
4.36E+00	4.20E-05	1.63E-02	2.29E-03	1.44E-03	5.15E-03	8.15E-03	1.06E-02	1.39E-02
4.61E+00	4.10E-05	1.61E-02	2.22E-03	1.40E-03	4.99E-03	8.02E-03	1.00E-02	1.34E-02
4.88E+00	4.01E-05	1.58E-02	2.16E-03	1.36E-03	4.91E-03	7.57E-03	9.64E-03	1.24E-02
5.17E+00	3.93E-05	1.55E-02	2.11E-03	1.30E-03	4.83E-03	7.18E-03	9.16E-03	1.22E-02
5.547E+00	3.73E-05	1.52E-02	2.05E-03	1.26E-03	4.62E-03	7.02E-03	8.98E-03	1.20E-02
5.578E+00	3.56E-05	1.50E-02	2.00E-03	1.24E-03	4.53E-03	6.89E-03	8.66E-03	1.18E-02
6.12E+00	3.12E-05	1.47E-02	1.95E-03	1.21E-03	4.43E-03	6.53E-03	8.44E-03	1.15E-02
6.48E+00	1.06E-05	1.44E-02	1.88E-03	1.18E-03	4.35E-03	6.26E-03	8.04E-03	1.09E-02
6.86E+00	3.18E-06	1.41E-02	1.81E-03	1.15E-03	4.19E-03	6.03E-03	7.73E-03	1.07E-02
7.26E+00	8.06E-07	1.38E-02	1.73E-03	1.13E-03	3.99E-03	5.81E-03	7.50E-03	1.05E-02
7.68E+00	1.68E-07	1.34E-02	1.65E-03	1.09E-03	3.79E-03	5.65E-03	7.18E-03	9.55E-03
8.13E+00	2.71E-08	1.24E-02	1.58E-03	1.06E-03	3.55E-03	5.35E-03	6.51E-03	7.99E-03
8.60E+00	3.20E-09	1.00E-02	1.50E-03	1.03E-03	3.41E-03	5.16E-03	5.90E-03	7.25E-03
9.10E+00	2.47E-10	9.76E-03	1.43E-03	9.95E-04	3.28E-03	4.56E-03	5.45E-03	6.91E-03
9.63E+00	1.08E-11	9.41E-03	1.37E-03	9.63E-04	3.15E-03	4.39E-03	5.20E-03	6.57E-03
1.00E+01	8.71E-13	8.38E-03	1.33E-03	9.39E-04	3.05E-03	4.29E-03	5.09E-03	6.43E-03
1.02E+01	2.09E-13	8.29E-03	1.30E-03	9.29E-04	2.90E-03	3.98E-03	5.01E-03	6.36E-03
1.08E+01	1.20E-15	8.02E-03	1.22E-03	8.91E-04	2.69E-03	3.62E-03	4.78E-03	5.60E-03
1.14E+01	1.03E-18	7.74E-03	1.14E-03	8.46E-04	2.48E-03	3.32E-03	4.56E-03	5.06E-03
1.21E+01	1.09E-20	7.46E-03	1.07E-03	7.98E-04	2.36E-03	3.17E-03	4.16E-03	4.85E-03
1.28E+01	2.70E-22	6.30E-03	1.01E-03	7.59E-04	2.20E-03	2.86E-03	3.98E-03	4.66E-03
1.35E+01	4.05E-24	5.50E-03	9.27E-04	7.24E-04	2.05E-03	2.61E-03	3.36E-03	4.14E-03
1.43E+01	1.12E-26	5.26E-03	8.59E-04	6.81E-04	1.87E-03	2.44E-03	2.90E-03	3.89E-03
1.51E+01	0.00E+00	4.37E-03	7.94E-04	6.38E-04	1.73E-03	2.16E-03	2.55E-03	3.65E-03
1.60E+01	0.00E+00	3.76E-03	7.32E-04	5.93E-04	1.59E-03	2.01E-03	2.32E-03	3.09E-03
1.70E+01	0.00E+00	3.57E-03	6.79E-04	5.55E-04	1.47E-03	1.82E-03	2.16E-03	2.93E-03
1.80E+01	0.00E+00	3.38E-03	6.13E-04	5.16E-04	1.34E-03	1.64E-03	1.93E-03	2.25E-03
1.90E+01	0.00E+00	2.62E-03	5.17E-04	4.23E-04	1.19E-03	1.41E-03	1.63E-03	1.93E-03

2.01E+01 0.00E+00 1.94E-03 3.65E-04 2.49E-04 8.96E-04 1.12E-03 1.30E-03 1.57E-03

2.13E+01 0.00E+00 1.42E-03 2.12E-04 9.22E-05 6.36E-04 8.42E-04 1.02E-03 1.24E-03

2.25E+01 0.00E+00 1.31E-03 1.08E-04 1.87E-05 3.62E-04 5.95E-04 7.55E-04 9.69E-04

2.38E+01 0.00E+00 1.18E-03 4.98E-05 2.72E-06 1.24E-04 3.44E-04 5.46E-04 7.21E-04

2.52E+01 0.00E+00 8.95E-04 2.35E-05 2.71E-07 2.69E-05 1.41E-04 3.03E-04 5.99E-04



2.67E+01 0.00E+00 7.50E-04 9.71E-06 2.42E-08 3.82E-06 3.62E-05 8.20E-05 2.60E-04

2.82E+01 0.00E+00 4.07E-04 4.38E-06 2.02E-09 4.79E-07 3.61E-06 1.31E-05 2.16E-04

2.99E+01 0.00E+00 2.00E-04 1.40E-06 1.14E-10 6.34E-08 4.12E-07 2.64E-06 6.41E-05

3.00E+01 0.00E+00 1.99E-04 1.29E-06 9.87E-11 5.41E-08 3.38E-07 2.28E-06 5.61E-05

3.16E+01 0.00E+00 1.82E-04 4.81E-07 6.43E-12 7.02E-09 5.51E-08 4.02E-07 3.39E-06

3.35E+01 0.00E+00 1.64E-04 3.41E-07 2.58E-13 8.73E-10 7.80E-09 5.31E-08 1.47E-07

3.54E+01 0.00E+00 1.47E-04 2.95E-07 8.92E-15 7.51E-11 1.21E-09 5.97E-09 2.72E-08

3.75E+01 0.00E+00 1.31E-04 2.62E-07 2.34E-16 6.70E-12 1.11E-10 5.92E-10 4.22E-09



3.97E+01 0.00E+00 1.16E-04 2.31E-07 4.53E-18 5.63E-13 9.94E-12 7.06E-11 6.22E-10

4.20E+01 0.00E+00 1.02E-04 2.03E-07 7.24E-20 3.65E-14 9.88E-13 9.04E-12 4.66E-11

4.44E+01 0.00E+00 8.58E-05 1.72E-07 1.01E-21 1.98E-15 9.69E-14 9.26E-13 7.34E-12

4.70E+01 0.00E+00 2.56E-07 5.12E-10 7.93E-24 1.05E-16 6.40E-15 6.15E-14 9.49E-13

4.97E+01 0.00E+00 2.82E-13 1.63E-15 4.92E-26 4.55E-18 4.46E-16 2.72E-15 6.59E-14

5.26E+01 0.00E+00 2.71E-14 1.37E-16 2.32E-28 1.39E-19 2.23E-17 1.81E-16 6.12E-15

5.57E+01 0.00E+00 2.27E-15 1.08E-17 0.00E+00 3.90E-21 6.64E-19 1.02E-17 2.33E-16

5.90E+01 0.00E+00 1.64E-16 7.63E-19 0.00E+00 7.23E-23 1.90E-20 3.85E-19 1.13E-17



6.24E+01 0.00E+00 1.02E-17 4.80E-20 0.00E+00 1.21E-24 3.76E-22 1.13E-20 6.47E-19

6.0E+01 0.00E+00 5.97E-19 2.64E-21 0.00E+00 1.11E-26 6.40E-24 3.07E-22 3.10E-20

99E+01 0.00E+00 3.26E-20 1.26E-22 0.00E+00 8.58E-29 8.02E-26 6.63E-24 9.50E-22

7.39E+01 0.00E+00 1.50E-21 5.13E-24 0.00E+00 0.00E+00 9.33E-28 1.12E-25 3.10E-23

7.82E+01 0.00E+00 5.74E-23 1.78E-25 0.00E+00 0.00E+00 1.01E-29 1.58E-27 8.13E-25

8.28E+01 0.00E+00 1.82E-24 5.15E-27 0.00E+00 0.00E+00 0.00E+00 1.77E-29 1.68E-26

8.76E+01 0.00E+00 4.71E-26 1.24E-28 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.71E-28

9.27E+01 0.00E+00 9.84E-28 2.43E-30 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.54E-30



9.81E+01 0.00E+00 1.57E-29 3.52E-32 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 2.74E-30 5.47E-33 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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Probabilistic results summary : RESRAD Default Parameters

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Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	6.28E-03	4.26E-02	1.80E-02	1.49E-02	3.14E-02	3.47E-02	3.74E-02	4.02E-02
1.00E+00	8.75E-04	2.66E-02	6.06E-03	4.94E-03	1.18E-02	1.37E-02	1.60E-02	2.04E-02
1.06E+00	7.81E-04	2.61E-02	5.78E-03	4.68E-03	1.15E-02	1.30E-02	1.54E-02	1.99E-02
1.12E+00	6.97E-04	2.57E-02	5.51E-03	4.43E-03	1.11E-02	1.25E-02	1.50E-02	1.93E-02
1.19E+00	6.21E-04	2.52E-02	5.25E-03	4.20E-03	1.04E-02	1.19E-02	1.47E-02	1.87E-02
1.25E+00	5.54E-04	2.48E-02	5.00E-03	3.96E-03	9.90E-03	1.14E-02	1.44E-02	1.81E-02
1.33E+00	4.94E-04	2.43E-02	4.76E-03	3.82E-03	9.48E-03	1.12E-02	1.41E-02	1.76E-02
1.40E+00	4.42E-04	2.39E-02	4.53E-03	3.63E-03	9.07E-03	1.11E-02	1.37E-02	1.71E-02
1.49E+00	3.96E-04	2.35E-02	4.32E-03	3.37E-03	8.56E-03	1.09E-02	1.33E-02	1.70E-02
1.57E+00	3.57E-04	2.31E-02	4.12E-03	3.18E-03	8.22E-03	1.07E-02	1.31E-02	1.70E-02
1.66E+00	2.97E-04	2.27E-02	3.93E-03	3.03E-03	7.90E-03	1.06E-02	1.29E-02	1.69E-02
1.76E+00	2.46E-04	2.23E-02	3.76E-03	2.87E-03	7.63E-03	1.05E-02	1.27E-02	1.68E-02
1.86E+00	2.03E-04	2.19E-02	3.59E-03	2.69E-03	7.28E-03	1.02E-02	1.23E-02	1.65E-02
1.97E+00	1.69E-04	2.16E-02	3.44E-03	2.54E-03	6.92E-03	1.00E-02	1.21E-02	1.62E-02
2.09E+00	1.41E-04	2.13E-02	3.31E-03	2.45E-03	6.58E-03	9.91E-03	1.19E-02	1.61E-02
2.21E+00	1.18E-04	2.11E-02	3.18E-03	2.30E-03	6.33E-03	9.82E-03	1.17E-02	1.60E-02
2.24E+00	9.90E-05	2.10E-02	3.07E-03	2.15E-03	6.09E-03	9.69E-03	1.15E-02	1.58E-02
2.27E+00	8.43E-05	2.09E-02	2.96E-03	2.06E-03	5.90E-03	9.55E-03	1.12E-02	1.57E-02
2.26E+00	7.28E-05	2.08E-02	2.87E-03	1.96E-03	5.79E-03	9.24E-03	1.10E-02	1.56E-02
2.27E+00	6.39E-05	2.06E-02	2.78E-03	1.88E-03	5.62E-03	9.05E-03	1.08E-02	1.54E-02
2.93E+00	5.72E-05	2.05E-02	2.70E-03	1.81E-03	5.44E-03	8.93E-03	1.07E-02	1.53E-02
3.00E+00	5.50E-05	2.04E-02	2.67E-03	1.78E-03	5.37E-03	8.88E-03	1.06E-02	1.52E-02
3.310E+00	5.21E-05	2.03E-02	2.63E-03	1.72E-03	5.30E-03	8.81E-03	1.05E-02	1.52E-02
3.328E+00	4.84E-05	2.01E-02	2.56E-03	1.64E-03	5.18E-03	8.70E-03	1.04E-02	1.50E-02
3.48E+00	4.56E-05	1.99E-02	2.50E-03	1.57E-03	5.03E-03	8.59E-03	1.02E-02	1.37E-02
3.68E+00	4.36E-05	1.97E-02	2.44E-03	1.51E-03	4.92E-03	8.47E-03	1.01E-02	1.24E-02
3.89E+00	4.20E-05	1.95E-02	2.39E-03	1.49E-03	4.85E-03	8.29E-03	9.72E-03	1.22E-02
4.12E+00	4.08E-05	1.92E-02	2.33E-03	1.44E-03	4.79E-03	8.11E-03	9.59E-03	1.20E-02
4.36E+00	3.99E-05	1.90E-02	2.28E-03	1.40E-03	4.71E-03	7.97E-03	9.42E-03	1.18E-02
4.61E+00	3.91E-05	1.87E-02	2.22E-03	1.36E-03	4.64E-03	7.80E-03	9.29E-03	1.15E-02
4.88E+00	3.83E-05	1.82E-02	2.17E-03	1.33E-03	4.48E-03	7.68E-03	8.96E-03	1.13E-02
5.17E+00	3.76E-05	1.69E-02	2.11E-03	1.30E-03	4.40E-03	7.47E-03	8.82E-03	1.11E-02
5.47E+00	3.70E-05	1.65E-02	2.06E-03	1.27E-03	4.29E-03	7.32E-03	8.67E-03	1.08E-02
5.578E+00	3.63E-05	1.50E-02	2.01E-03	1.24E-03	4.21E-03	7.17E-03	8.51E-03	1.02E-02
6.12E+00	3.56E-05	1.41E-02	1.95E-03	1.21E-03	4.13E-03	7.01E-03	8.17E-03	9.99E-03
6.48E+00	3.49E-05	1.37E-02	1.90E-03	1.19E-03	3.99E-03	6.86E-03	7.92E-03	9.48E-03
6.86E+00	1.80E-05	1.20E-02	1.84E-03	1.16E-03	3.91E-03	6.31E-03	7.74E-03	9.28E-03
7.26E+00	7.64E-06	9.97E-03	1.77E-03	1.14E-03	3.80E-03	5.72E-03	7.43E-03	8.69E-03
7.68E+00	3.10E-06	9.52E-03	1.69E-03	1.11E-03	3.63E-03	4.94E-03	6.85E-03	8.16E-03
8.13E+00	1.19E-06	9.28E-03	1.60E-03	1.08E-03	3.48E-03	4.55E-03	6.46E-03	7.87E-03
8.60E+00	4.32E-07	9.04E-03	1.52E-03	1.04E-03	3.34E-03	4.34E-03	6.25E-03	7.66E-03
9.10E+00	1.48E-07	8.79E-03	1.45E-03	9.85E-04	3.24E-03	4.08E-03	5.12E-03	7.45E-03
9.63E+00	4.27E-08	8.53E-03	1.37E-03	9.51E-04	3.09E-03	3.85E-03	4.89E-03	6.69E-03
1.00E+01	1.77E-08	8.35E-03	1.32E-03	9.18E-04	3.02E-03	3.70E-03	4.65E-03	6.42E-03
1.02E+01	1.13E-08	8.27E-03	1.30E-03	9.03E-04	2.98E-03	3.66E-03	4.36E-03	6.35E-03
1.08E+01	2.77E-09	7.99E-03	1.23E-03	8.66E-04	2.87E-03	3.31E-03	3.93E-03	6.14E-03
1.14E+01	6.22E-10	7.72E-03	1.17E-03	8.28E-04	2.71E-03	3.07E-03	3.76E-03	5.93E-03
1.21E+01	1.28E-10	7.44E-03	1.11E-03	7.83E-04	2.61E-03	2.96E-03	3.62E-03	5.05E-03
1.28E+01	2.40E-11	6.38E-03	1.04E-03	7.51E-04	2.40E-03	2.74E-03	3.44E-03	4.38E-03
1.35E+01	4.08E-12	4.67E-03	9.67E-04	7.13E-04	2.27E-03	2.60E-03	3.09E-03	3.54E-03
1.43E+01	6.23E-13	4.41E-03	9.04E-04	6.76E-04	2.13E-03	2.45E-03	2.71E-03	3.24E-03
1.51E+01	8.51E-14	4.21E-03	8.47E-04	6.33E-04	1.99E-03	2.33E-03	2.58E-03	3.09E-03
1.60E+01	1.03E-14	3.85E-03	7.90E-04	5.76E-04	1.86E-03	2.20E-03	2.44E-03	2.95E-03
1.70E+01	1.10E-15	3.23E-03	7.29E-04	5.42E-04	1.73E-03	2.08E-03	2.24E-03	2.77E-03
1.80E+01	1.03E-16	3.04E-03	6.72E-04	5.00E-04	1.62E-03	1.93E-03	2.07E-03	2.62E-03
1.90E+01	8.33E-18	2.60E-03	5.76E-04	4.46E-04	1.35E-03	1.73E-03	1.91E-03	2.13E-03

2.01E+01 5.80E-19 2.45E-03 4.07E-04 2.82E-04 1.00E-03 1.32E-03 1.58E-03 1.81E-03



2.13E+01 3.44E-20 1.78E-03 2.33E-04 1.03E-04 6.56E-04 9.00E-04 1.19E-03 1.58E-03

2.25E+01 5.38E-23 1.67E-03 1.21E-04 2.01E-05 3.95E-04 5.92E-04 8.41E-04 1.39E-03

2.38E+01 8.04E-30 1.55E-03 5.99E-05 2.34E-06 1.83E-04 3.68E-04 6.26E-04 1.07E-03

2.52E+01 0.00E+00 1.44E-03 2.78E-05 2.47E-07 3.34E-05 1.41E-04 2.99E-04 7.46E-04

2.67E+01 0.00E+00 8.21E-04 1.34E-05 2.25E-08 4.10E-06 2.69E-05 1.22E-04 5.37E-04

2.82E+01 0.00E+00 4.38E-04 4.48E-06 1.81E-09 5.47E-07 4.19E-06 3.33E-05 1.47E-04

2.99E+01 0.00E+00 3.33E-04 1.58E-06 9.63E-11 6.84E-08 5.95E-07 3.13E-06 2.90E-05

3.00E+01 0.00E+00 3.31E-04 1.51E-06 8.23E-11 5.89E-08 5.10E-07 2.73E-06 2.57E-05



3.16E+01 0.00E+00 1.70E-04 5.08E-07 4.47E-12 1.00E-08 7.57E-08 3.94E-07 2.55E-06

3.35E+01 0.00E+00 9.77E-06 2.94E-08 1.67E-13 1.03E-09 9.91E-09 4.05E-08 3.70E-07

3.54E+01 0.00E+00 2.01E-07 1.29E-09 6.51E-15 9.26E-11 1.28E-09 5.76E-09 4.28E-08

3.75E+01 0.00E+00 1.51E-08 1.13E-10 1.64E-16 8.47E-12 1.56E-10 6.47E-10 3.11E-09

3.97E+01 0.00E+00 3.26E-09 1.49E-11 3.65E-18 5.48E-13 1.44E-11 5.20E-11 2.92E-10

4.20E+01 0.00E+00 6.42E-10 2.21E-12 6.67E-20 4.00E-14 6.77E-13 5.07E-12 4.50E-11

4.44E+01 0.00E+00 1.14E-10 3.33E-13 8.36E-22 2.07E-15 5.07E-14 3.96E-13 3.27E-12

4.70E+01 0.00E+00 1.82E-11 4.83E-14 7.38E-24 8.94E-17 3.42E-15 2.76E-14 2.01E-13



4.97E+01 0.00E+00 2.59E-12 6.50E-15 3.98E-26 4.01E-18 1.89E-16 1.74E-15 1.03E-14

5.26E+01 0.00E+00 3.25E-13 7.89E-16 2.10E-28 1.29E-19 6.58E-18 1.06E-16 7.28E-16

5.57E+01 0.00E+00 3.58E-14 8.49E-17 0.00E+00 3.01E-21 1.18E-19 5.70E-18 4.92E-17

5.90E+01 0.00E+00 3.42E-15 7.98E-18 0.00E+00 4.99E-23 3.83E-21 2.38E-19 2.84E-18

6.24E+01 0.00E+00 2.82E-16 6.47E-19 0.00E+00 6.92E-25 9.80E-23 6.10E-21 1.39E-19

6.0E+01 0.00E+00 1.97E-17 4.48E-20 0.00E+00 8.08E-27 1.43E-24 1.36E-22 5.71E-21

99E+01 0.00E+00 1.16E-18 2.62E-21 0.00E+00 7.56E-29 1.59E-26 1.88E-24 1.94E-22

7.39E+01 0.00E+00 5.67E-20 1.28E-22 0.00E+00 0.00E+00 1.23E-28 2.07E-26 5.83E-24



7.82E+01 0.00E+00 2.27E-21 5.10E-24 0.00E+00 0.00E+00 0.00E+00 1.79E-28 1.43E-25

8.28E+01 0.00E+00 7.36E-23 1.65E-25 0.00E+00 0.00E+00 0.00E+00 5.19E-31 2.83E-27

8.76E+01 0.00E+00 1.89E-24 4.27E-27 0.00E+00 0.00E+00 0.00E+00 0.00E+00 4.32E-29

9.27E+01 0.00E+00 3.80E-26 8.67E-29 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 5.84E-28 1.35E-30 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 1.36E-28 3.19E-31 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 5.90E-30 1.18E-32 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



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Probabilistic results summary : RESRAD Default Parameters

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Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	5.78E-03	4.10E-02	1.79E-02	1.56E-02	3.05E-02	3.42E-02	3.62E-02	3.80E-02
1.00E+00	6.04E-04	2.31E-02	5.98E-03	5.04E-03	1.12E-02	1.28E-02	1.53E-02	2.00E-02
1.06E+00	5.40E-04	2.26E-02	5.70E-03	4.72E-03	1.06E-02	1.25E-02	1.49E-02	1.96E-02
1.12E+00	4.82E-04	2.20E-02	5.44E-03	4.46E-03	1.00E-02	1.21E-02	1.46E-02	1.95E-02
1.19E+00	4.32E-04	2.15E-02	5.18E-03	4.26E-03	9.54E-03	1.18E-02	1.44E-02	1.92E-02
1.25E+00	3.88E-04	2.09E-02	4.93E-03	4.01E-03	9.17E-03	1.15E-02	1.41E-02	1.89E-02
1.33E+00	3.51E-04	2.04E-02	4.70E-03	3.78E-03	8.74E-03	1.11E-02	1.38E-02	1.85E-02
1.40E+00	3.20E-04	1.98E-02	4.47E-03	3.56E-03	8.30E-03	1.05E-02	1.34E-02	1.82E-02
1.49E+00	2.95E-04	1.96E-02	4.26E-03	3.34E-03	8.13E-03	1.03E-02	1.31E-02	1.79E-02
1.57E+00	2.74E-04	1.95E-02	4.06E-03	3.16E-03	7.77E-03	1.01E-02	1.29E-02	1.75E-02
1.66E+00	2.38E-04	1.93E-02	3.88E-03	3.00E-03	7.48E-03	9.95E-03	1.27E-02	1.72E-02
1.76E+00	2.00E-04	1.92E-02	3.71E-03	2.85E-03	7.15E-03	9.69E-03	1.25E-02	1.69E-02
1.86E+00	1.68E-04	1.91E-02	3.55E-03	2.72E-03	6.81E-03	9.35E-03	1.24E-02	1.65E-02
1.97E+00	1.41E-04	1.89E-02	3.40E-03	2.54E-03	6.63E-03	9.13E-03	1.22E-02	1.61E-02
2.09E+00	1.20E-04	1.88E-02	3.27E-03	2.45E-03	6.46E-03	8.93E-03	1.20E-02	1.58E-02
2.21E+00	1.02E-04	1.87E-02	3.14E-03	2.36E-03	6.31E-03	8.75E-03	1.19E-02	1.54E-02
2.24E+00	8.84E-05	1.85E-02	3.03E-03	2.24E-03	6.22E-03	8.59E-03	1.18E-02	1.52E-02
2.47E+00	7.68E-05	1.84E-02	2.93E-03	2.12E-03	6.10E-03	8.44E-03	1.18E-02	1.49E-02
2.62E+00	6.13E-05	1.82E-02	2.83E-03	2.05E-03	5.97E-03	8.30E-03	1.17E-02	1.45E-02
2.77E+00	5.20E-05	1.81E-02	2.75E-03	1.97E-03	5.91E-03	8.17E-03	1.16E-02	1.43E-02
2.93E+00	4.77E-05	1.79E-02	2.67E-03	1.90E-03	5.85E-03	8.04E-03	1.15E-02	1.42E-02
3.00E+00	4.67E-05	1.78E-02	2.65E-03	1.87E-03	5.74E-03	8.00E-03	1.14E-02	1.42E-02
3.10E+00	4.58E-05	1.77E-02	2.60E-03	1.82E-03	5.67E-03	7.93E-03	1.13E-02	1.41E-02
3.28E+00	4.51E-05	1.75E-02	2.54E-03	1.77E-03	5.60E-03	7.82E-03	1.11E-02	1.39E-02
3.48E+00	4.50E-05	1.69E-02	2.48E-03	1.70E-03	5.53E-03	7.71E-03	1.10E-02	1.38E-02
3.68E+00	4.52E-05	1.67E-02	2.42E-03	1.65E-03	5.46E-03	7.61E-03	1.08E-02	1.36E-02
3.89E+00	4.55E-05	1.65E-02	2.37E-03	1.60E-03	5.39E-03	7.48E-03	1.07E-02	1.29E-02
4.12E+00	4.58E-05	1.63E-02	2.31E-03	1.57E-03	5.32E-03	7.36E-03	1.03E-02	1.26E-02
4.36E+00	4.51E-05	1.61E-02	2.26E-03	1.52E-03	5.25E-03	7.20E-03	9.80E-03	1.24E-02
4.61E+00	4.43E-05	1.59E-02	2.20E-03	1.49E-03	5.07E-03	6.93E-03	9.67E-03	1.22E-02
4.88E+00	4.36E-05	1.56E-02	2.14E-03	1.46E-03	4.96E-03	6.83E-03	9.40E-03	1.12E-02
5.17E+00	4.20E-05	1.51E-02	2.08E-03	1.42E-03	4.88E-03	6.43E-03	8.75E-03	1.09E-02
5.47E+00	4.05E-05	1.37E-02	2.02E-03	1.37E-03	4.76E-03	6.30E-03	8.61E-03	1.07E-02
5.78E+00	3.92E-05	1.18E-02	1.96E-03	1.35E-03	4.57E-03	6.19E-03	8.04E-03	1.04E-02
6.12E+00	3.82E-05	1.16E-02	1.89E-03	1.30E-03	4.49E-03	6.00E-03	7.85E-03	9.34E-03
6.48E+00	3.72E-05	1.14E-02	1.83E-03	1.28E-03	4.15E-03	5.71E-03	7.09E-03	9.15E-03
6.86E+00	2.76E-05	1.11E-02	1.77E-03	1.24E-03	4.02E-03	5.34E-03	6.94E-03	8.96E-03
7.26E+00	1.11E-05	1.09E-02	1.72E-03	1.22E-03	3.87E-03	5.23E-03	6.78E-03	8.76E-03
7.68E+00	4.04E-06	1.06E-02	1.67E-03	1.17E-03	3.78E-03	5.10E-03	6.49E-03	8.55E-03
8.13E+00	1.38E-06	1.03E-02	1.62E-03	1.14E-03	3.68E-03	4.98E-03	6.33E-03	8.34E-03
8.60E+00	4.46E-07	9.09E-03	1.57E-03	1.11E-03	3.58E-03	4.76E-03	6.16E-03	8.12E-03
9.10E+00	1.34E-07	8.58E-03	1.50E-03	1.08E-03	3.48E-03	4.63E-03	5.60E-03	6.95E-03
9.63E+00	3.77E-08	8.33E-03	1.44E-03	1.03E-03	3.30E-03	4.35E-03	5.32E-03	6.74E-03
1.00E+01	1.55E-08	8.16E-03	1.40E-03	1.01E-03	3.21E-03	4.26E-03	5.21E-03	6.61E-03
1.02E+01	9.81E-09	8.07E-03	1.38E-03	1.00E-03	3.18E-03	4.19E-03	5.16E-03	6.54E-03
1.08E+01	2.36E-09	7.81E-03	1.32E-03	9.52E-04	2.95E-03	3.79E-03	4.82E-03	6.32E-03
1.14E+01	5.21E-10	7.53E-03	1.23E-03	9.19E-04	2.69E-03	3.64E-03	4.40E-03	5.62E-03
1.21E+01	1.05E-10	7.26E-03	1.15E-03	8.57E-04	2.57E-03	3.32E-03	3.99E-03	5.20E-03
1.28E+01	1.94E-11	6.14E-03	1.08E-03	8.20E-04	2.37E-03	3.14E-03	3.67E-03	5.00E-03
1.35E+01	3.22E-12	5.00E-03	9.97E-04	7.62E-04	2.24E-03	2.80E-03	3.41E-03	4.10E-03
1.43E+01	4.82E-13	4.78E-03	9.11E-04	7.11E-04	2.07E-03	2.41E-03	2.97E-03	3.65E-03
1.51E+01	6.44E-14	4.48E-03	8.37E-04	6.72E-04	1.87E-03	2.22E-03	2.80E-03	3.25E-03
1.60E+01	7.63E-15	4.14E-03	7.74E-04	6.02E-04	1.75E-03	2.09E-03	2.54E-03	3.03E-03
1.70E+01	7.97E-16	3.91E-03	7.11E-04	5.59E-04	1.60E-03	1.92E-03	2.26E-03	2.88E-03
1.80E+01	7.27E-17	3.35E-03	6.43E-04	5.15E-04	1.42E-03	1.75E-03	2.09E-03	2.48E-03
1.90E+01	5.75E-18	3.17E-03	5.57E-04	4.46E-04	1.26E-03	1.58E-03	1.75E-03	2.23E-03

2.01E+01 3.90E-19 2.98E-03 4.09E-04 2.84E-04 9.87E-04 1.27E-03 1.53E-03 1.71E-03

2.13E+01 2.29E-21 1.55E-03 2.37E-04 9.23E-05 7.09E-04 9.60E-04 1.21E-03 1.42E-03

2.25E+01 0.00E+00 1.22E-03 1.17E-04 1.84E-05 4.06E-04 6.12E-04 8.19E-04 1.02E-03

2.38E+01 0.00E+00 9.50E-04 5.24E-05 2.11E-06 1.67E-04 3.59E-04 5.40E-04 6.48E-04

2.52E+01 0.00E+00 7.14E-04 2.33E-05 2.18E-07 3.82E-05 1.28E-04 3.40E-04 5.89E-04



2.67E+01 0.00E+00 6.60E-04 9.87E-06 1.84E-08 4.64E-06 2.51E-05 7.85E-05 4.12E-04

2.82E+01 0.00E+00 5.50E-04 5.02E-06 1.23E-09 7.55E-07 3.17E-06 1.14E-05 1.82E-04

2.99E+01 0.00E+00 4.55E-04 2.41E-06 8.48E-11 8.65E-08 3.91E-07 1.37E-06 2.93E-05

3.00E+01 0.00E+00 4.52E-04 2.27E-06 6.89E-11 7.68E-08 3.49E-07 1.23E-06 2.27E-05

3.16E+01 0.00E+00 4.12E-04 9.96E-07 5.19E-12 1.18E-08 4.32E-08 2.46E-07 3.11E-06

3.35E+01 0.00E+00 2.36E-05 6.43E-08 2.02E-13 1.37E-09 7.79E-09 3.73E-08 5.34E-07

3.54E+01 0.00E+00 4.31E-07 2.38E-09 6.50E-15 1.39E-10 7.68E-10 5.78E-09 4.57E-08

3.75E+01 0.00E+00 5.25E-08 2.19E-10 1.59E-16 1.34E-11 8.98E-11 6.43E-10 2.27E-09



3.97E+01 0.00E+00 5.67E-09 2.25E-11 2.81E-18 1.18E-12 8.54E-12 5.52E-11 2.37E-10

4.20E+01 0.00E+00 5.37E-10 2.13E-12 4.96E-20 7.62E-14 6.43E-13 6.35E-12 2.66E-11

4.44E+01 0.00E+00 4.43E-11 1.83E-13 5.41E-22 5.10E-15 6.50E-14 5.47E-13 2.90E-12

4.70E+01 0.00E+00 3.16E-12 1.40E-14 4.01E-24 2.21E-16 5.39E-15 4.44E-14 2.42E-13

4.97E+01 0.00E+00 1.94E-13 9.52E-16 2.17E-26 1.12E-17 3.67E-16 3.09E-15 1.98E-14

5.26E+01 0.00E+00 1.01E-14 5.70E-17 7.32E-29 4.55E-19 2.01E-17 1.95E-16 1.39E-15

5.57E+01 0.00E+00 5.87E-16 2.97E-18 0.00E+00 1.19E-20 7.57E-19 7.57E-18 8.46E-17

5.90E+01 0.00E+00 2.81E-17 1.32E-19 0.00E+00 2.15E-22 2.10E-20 2.61E-19 4.33E-18



6.24E+01 0.00E+00 1.08E-18 4.92E-21 0.00E+00 3.99E-24 6.53E-22 9.02E-21 1.71E-19

6.0E+01 0.00E+00 3.29E-20 1.51E-22 0.00E+00 6.62E-26 1.20E-23 2.36E-22 6.36E-21

99E+01 0.00E+00 7.69E-22 3.76E-24 0.00E+00 8.92E-28 1.86E-25 5.72E-24 1.99E-22

7.39E+01 0.00E+00 1.35E-23 7.48E-26 0.00E+00 4.87E-30 1.53E-27 1.11E-25 3.70E-24

7.82E+01 0.00E+00 1.73E-25 1.18E-27 0.00E+00 0.00E+00 1.23E-29 1.46E-27 4.58E-26

8.28E+01 0.00E+00 1.79E-27 1.47E-29 0.00E+00 0.00E+00 0.00E+00 1.40E-29 4.53E-28

8.76E+01 0.00E+00 2.07E-29 1.24E-31 0.00E+00 0.00E+00 0.00E+00 0.00E+00 2.55E-30

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

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

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.802E-02
2	0.000E+00	1.804E-02
3	0.000E+00	1.793E-02

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

## Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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Contaminated zone erosion rate	7 -0.08	7 -0.03	18 0.00	18 0.00
Contaminated zone b parameter	6 -0.09	6 -0.03	8 -0.06	8 -0.01
Evapotranspiration coefficient	5 -0.27	5 -0.09	5 -0.39	5 -0.10
Wind Speed	8 -0.05	8 -0.02	16 -0.01	16 0.00
Runoff coefficient	2 0.51	2 0.20	2 0.67	2 0.20
Well pump intake depth	4 -0.33	4 -0.12	4 -0.50	4 -0.13
b Parameter of Unsaturated zone 1	9 -0.04	9 -0.01	6 -0.09	6 -0.02
Mass loading for inhalation	10 0.03	10 0.01	9 0.06	9 0.01
Indoor dust filtration factor	11 0.03	11 0.01	11 0.04	11 0.01
Depth of soil mixing layer	13 0.03	13 0.01	15 -0.01	15 0.00
Depth of roots	1 -0.94	1 -0.90	1 -0.97	1 -0.93
Wet weight crop yield of fruit, grain and non-leafy vegetables	12 -0.03	12 -0.01	17 0.00	17 0.00
Weathering removal constant of all vegetation	17 0.01	17 0.00	14 -0.01	14 0.00
Wet foliar interception fraction of leafy vegetables	18 0.00	18 0.00	13 -0.02	13 -0.01
Humidity in air	14 0.03	14 0.01	10 0.05	10 0.01
Kd of H-3 in Contaminated Zone	3 -0.37	3 -0.13	3 -0.54	3 -0.14
Kd of H-3 in Unsaturated Zone 1	16 0.01	16 0.00	7 0.07	7 0.02
Kd of H-3 in Saturated Zone	15 -0.02	15 -0.01	12 -0.03	12 -0.01

R-SQUARE	0.89	0.89	0.95	0.95
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-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.



Title : RESRAD Default Parameters  
 Input File : FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	7	-0.12	7	-0.04	10	-0.07	10	-0.02
Contaminated zone b parameter	8	-0.11	8	-0.03	7	-0.10	7	-0.02
Evapotranspiration coefficient	5	-0.25	5	-0.08	5	-0.37	5	-0.09
Wind Speed	17	-0.01	17	0.00	14	-0.02	14	0.00
Runoff coefficient	2	0.59	2	0.23	2	0.68	2	0.21
Well pump intake depth	4	-0.36	4	-0.12	4	-0.47	4	-0.12
b Parameter of Unsaturated zone 1	12	-0.04	12	-0.01	17	-0.01	17	0.00
Mass loading for inhalation	6	0.13	6	0.04	8	0.09	8	0.02
Indoor dust filtration factor	9	0.09	9	0.03	6	0.11	6	0.02
Depth of soil mixing layer	11	-0.05	11	-0.02	16	0.01	16	0.00
Depth of roots	1	-0.94	1	-0.89	1	-0.97	1	-0.93
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.02	16	-0.01	18	0.00	18	0.00
Weathering removal constant of all vegetation	13	0.03	13	0.01	11	0.04	11	0.01
Wet foliar interception fraction of leafy vegetables	10	0.07	10	0.02	9	0.07	9	0.02
Humidity in air	15	0.02	15	0.01	13	0.02	13	0.01
Kd of H-3 in Contaminated Zone	3	-0.48	3	-0.17	3	-0.53	3	-0.14
Kd of H-3 in Unsaturated Zone 1	18	0.00	18	0.00	15	-0.01	15	0.00
Kd of H-3 in Saturated Zone	14	0.03	14	0.01	12	-0.02	12	-0.01
R-SQUARE		0.90		0.90		0.95		0.95

-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.

Title : RESRAD Default Parameters  
 Input File : FCS SOIL UNCERTAINTY ANALYSIS H-3.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	12	-0.03	12	-0.01	16	-0.02	16	0.00
Contaminated zone b parameter	6	-0.08	6	-0.03	6	-0.10	6	-0.02
Evapotranspiration coefficient	4	-0.21	4	-0.07	4	-0.44	4	-0.10
Wind Speed	9	-0.05	9	-0.02	15	-0.02	15	0.00
Runoff coefficient	2	0.53	2	0.20	2	0.71	2	0.20
Well pump intake depth	5	-0.21	5	-0.07	5	-0.44	5	-0.10
b Parameter of Unsaturated zone 1	14	0.03	14	0.01	8	0.07	8	0.01
Mass loading for inhalation	11	0.04	11	0.01	17	-0.01	17	0.00
Indoor dust filtration factor	17	0.02	17	0.01	14	0.02	14	0.00
Depth of soil mixing layer	7	-0.06	7	-0.02	9	-0.06	9	-0.01
Depth of roots	1	-0.94	1	-0.91	1	-0.98	1	-0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	-0.01	18	0.00	18	0.01	18	0.00
Weathering removal constant of all vegetation	8	-0.06	8	-0.02	13	-0.04	13	-0.01
Wet foliar interception fraction of leafy vegetables	13	-0.03	13	-0.01	12	-0.04	12	-0.01
Humidity in air	16	0.03	16	0.01	11	-0.04	11	-0.01
Kd of H-3 in Contaminated Zone	3	-0.37	3	-0.13	3	-0.57	3	-0.14
Kd of H-3 in Unsaturated Zone 1	10	-0.05	10	-0.01	7	-0.08	7	-0.02
Kd of H-3 in Saturated Zone	15	-0.03	15	-0.01	10	-0.06	10	-0.01

R-SQUARE 0.90 0.90 0.96 0.96

-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.