

Probabilistic results summary : RESRAD Default Parameters

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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	
Np-237											
Min	0.00E+00	6.38E+00	6.12E+00	5.34E+00	3.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	2.82E+02	2.32E+01	2.35E+01	3.24E+01	1.35E+02	2.33E+02	1.65E+02	9.25E+01	4.06E+01	
Avg	1.10E+02	2.07E+01	1.34E+01	1.32E+01	1.30E+01	1.30E+01	1.40E+01	1.44E+01	9.09E+00	2.36E+00	
Std	2.03E+02	2.18E+01	6.03E+00	6.00E+00	6.02E+00	8.26E+00	1.41E+01	1.55E+01	9.52E+00	4.00E+00	
ALL											
Min	0.00E+00	6.38E+00	6.12E+00	5.34E+00	3.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	2.82E+02	2.32E+01	2.35E+01	3.24E+01	1.35E+02	2.33E+02	1.65E+02	9.25E+01	4.06E+01	
Avg	1.10E+02	2.07E+01	1.34E+01	1.32E+01	1.30E+01	1.30E+01	1.40E+01	1.44E+01	9.09E+00	2.36E+00	
Std	2.03E+02	2.18E+01	6.03E+00	6.00E+00	6.02E+00	8.26E+00	1.41E+01	1.55E+01	9.52E+00	4.00E+00	

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
	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
Np-237								
Min	1.50E-05	1.24E-05	4.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.54E-05	2.53E-05	2.55E-05	6.46E-05	1.10E-04	8.32E-05	4.35E-05	2.36E-05
Avg	1.93E-05	1.91E-05	1.87E-05	1.79E-05	1.68E-05	1.42E-05	8.11E-06	1.90E-06
Std	3.72E-06	3.72E-06	3.81E-06	4.96E-06	7.43E-06	8.24E-06	6.68E-06	3.57E-06
ALL								
Min	1.50E-05	1.24E-05	4.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.54E-05	2.53E-05	2.55E-05	6.46E-05	1.10E-04	8.32E-05	4.35E-05	2.36E-05
Avg	1.93E-05	1.91E-05	1.87E-05	1.79E-05	1.68E-05	1.42E-05	8.11E-06	1.90E-06
Std	3.72E-06	3.72E-06	3.81E-06	4.96E-06	7.43E-06	8.24E-06	6.68E-06	3.57E-06

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
<hr/>								
Np-237								
Min	3.84E-01	2.01E-01	5.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.22E-01	5.22E-01	5.22E-01	5.22E-01	5.22E-01	5.21E-01	5.19E-01	5.12E-01
Avg	5.19E-01	5.14E-01	5.04E-01	4.71E-01	4.10E-01	3.04E-01	1.60E-01	3.28E-02
Std	6.40E-03	1.72E-02	3.37E-02	8.52E-02	1.34E-01	1.74E-01	1.76E-01	9.17E-02
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ALL								
Min	3.84E-01	2.01E-01	5.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.22E-01	5.22E-01	5.22E-01	5.22E-01	5.22E-01	5.21E-01	5.19E-01	5.12E-01
Avg	5.19E-01	5.14E-01	5.04E-01	4.71E-01	4.10E-01	3.04E-01	1.60E-01	3.28E-02
Std	6.40E-03	1.72E-02	3.37E-02	8.52E-02	1.34E-01	1.74E-01	1.76E-01	9.17E-02
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ALL 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
Np-237								
Min	2.06E-05	2.06E-05	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.56E-02	4.55E-02	4.54E-02	4.49E-02	4.37E-02	3.96E-02	3.00E-02	1.82E-02
Avg	7.32E-03	7.24E-03	7.11E-03	6.64E-03	5.77E-03	4.30E-03	2.19E-03	4.54E-04
Std	4.45E-03	4.42E-03	4.38E-03	4.31E-03	4.20E-03	3.95E-03	3.27E-03	1.57E-03
ALL								
Min	2.06E-05	2.06E-05	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.56E-02	4.55E-02	4.54E-02	4.49E-02	4.37E-02	3.96E-02	3.00E-02	1.82E-02
Avg	7.32E-03	7.24E-03	7.11E-03	6.64E-03	5.77E-03	4.30E-03	2.19E-03	4.54E-04
Std	4.45E-03	4.42E-03	4.38E-03	4.31E-03	4.20E-03	3.95E-03	3.27E-03	1.57E-03

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							
	(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
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Np-237								
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								
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): 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
<hr/>								
Np-237								
Min	5.14E+00	4.48E+00	2.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.18E+01	2.18E+01	2.18E+01	2.18E+01	2.17E+01	2.17E+01	2.14E+01	2.03E+01
Avg	1.22E+01	1.20E+01	1.17E+01	1.09E+01	9.27E+00	6.21E+00	2.61E+00	5.36E-01
Std	5.89E+00	5.86E+00	5.83E+00	5.85E+00	5.78E+00	5.30E+00	4.04E+00	1.97E+00
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ALL								
Min	5.14E+00	4.48E+00	2.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.18E+01	2.18E+01	2.18E+01	2.18E+01	2.17E+01	2.17E+01	2.14E+01	2.03E+01
Avg	1.22E+01	1.20E+01	1.17E+01	1.09E+01	9.27E+00	6.21E+00	2.61E+00	5.36E-01
Std	5.89E+00	5.86E+00	5.83E+00	5.85E+00	5.78E+00	5.30E+00	4.04E+00	1.97E+00
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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/>								
Np-237								
Min	4.13E-01	3.26E-01	8.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.80E-01	7.80E-01	7.79E-01	7.79E-01	7.79E-01	7.78E-01	7.69E-01	7.26E-01
Avg	5.77E-01	5.71E-01	5.58E-01	5.19E-01	4.48E-01	3.18E-01	1.49E-01	2.96E-02
Std	1.24E-01	1.25E-01	1.27E-01	1.50E-01	1.80E-01	2.00E-01	1.79E-01	9.08E-02
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ALL								
Min	4.13E-01	3.26E-01	8.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.80E-01	7.80E-01	7.79E-01	7.79E-01	7.79E-01	7.78E-01	7.69E-01	7.26E-01
Avg	5.77E-01	5.71E-01	5.58E-01	5.19E-01	4.48E-01	3.18E-01	1.49E-01	2.96E-02
Std	1.24E-01	1.25E-01	1.27E-01	1.50E-01	1.80E-01	2.00E-01	1.79E-01	9.08E-02
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Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

Nuclide (j)	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
Np-237								
Min	2.02E-02	1.68E-02	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.04E-02	5.03E-02	5.03E-02	5.03E-02	5.03E-02	5.02E-02	4.96E-02	4.70E-02
Avg	3.33E-02	3.29E-02	3.22E-02	2.99E-02	2.56E-02	1.78E-02	8.08E-03	1.63E-03
Std	1.05E-02	1.05E-02	1.05E-02	1.12E-02	1.21E-02	1.24E-02	1.04E-02	5.25E-03
ALL								
Min	2.02E-02	1.68E-02	5.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.04E-02	5.03E-02	5.03E-02	5.03E-02	5.03E-02	5.02E-02	4.96E-02	4.70E-02
Avg	3.33E-02	3.29E-02	3.22E-02	2.99E-02	2.56E-02	1.78E-02	8.08E-03	1.63E-03
Std	1.05E-02	1.05E-02	1.05E-02	1.12E-02	1.21E-02	1.24E-02	1.04E-02	5.25E-03

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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
<hr/>								
Np-237								
Min	4.67E-02	2.45E-02	6.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.34E-02	6.34E-02	6.34E-02	6.34E-02	6.34E-02	6.33E-02	6.31E-02	6.23E-02
Avg	6.31E-02	6.25E-02	6.13E-02	5.72E-02	4.98E-02	3.69E-02	1.86E-02	3.61E-03
Std	7.78E-04	2.09E-03	4.10E-03	1.05E-02	1.64E-02	2.12E-02	2.10E-02	1.06E-02
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ALL								
Min	4.67E-02	2.45E-02	6.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.34E-02	6.34E-02	6.34E-02	6.34E-02	6.34E-02	6.33E-02	6.31E-02	6.23E-02
Avg	6.31E-02	6.25E-02	6.13E-02	5.72E-02	4.98E-02	3.69E-02	1.86E-02	3.61E-03
Std	7.78E-04	2.09E-03	4.10E-03	1.05E-02	1.64E-02	2.12E-02	2.10E-02	1.06E-02
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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
<hr/>								
Np-237								
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	4.96E-01	3.30E+00	1.47E+01	1.25E+02	2.09E+02	1.39E+02	8.68E+01	3.77E+01
Avg	1.38E-03	1.69E-02	1.22E-01	9.59E-01	3.39E+00	6.81E+00	5.54E+00	1.58E+00
Std	1.60E-02	1.26E-01	7.66E-01	5.58E+00	1.22E+01	1.42E+01	8.27E+00	2.85E+00
<hr/>								
ALL								
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	4.96E-01	3.30E+00	1.47E+01	1.25E+02	2.09E+02	1.39E+02	8.68E+01	3.77E+01
Avg	1.38E-03	1.69E-02	1.22E-01	9.59E-01	3.39E+00	6.81E+00	5.54E+00	1.58E+00
Std	1.60E-02	1.26E-01	7.66E-01	5.58E+00	1.22E+01	1.42E+01	8.27E+00	2.85E+00
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Probabilistic Dose vs Pathway(i): Fish 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
Np-237								
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): 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
Np-237								
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
ALL								
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

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 NF-237.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
Np-237								
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	2.94E-02	2.84E-01	4.53E+00	1.65E+01	3.13E+01	3.08E+01	6.80E+00	4.14E+00
Avg	1.00E-04	1.54E-03	1.34E-02	1.01E-01	3.39E-01	6.24E-01	5.01E-01	1.49E-01
Std	1.12E-03	1.23E-02	1.36E-01	6.90E-01	1.58E+00	1.64E+00	8.05E-01	3.28E-01
ALL								
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	2.94E-02	2.84E-01	4.53E+00	1.65E+01	3.13E+01	3.08E+01	6.80E+00	4.14E+00
Avg	1.00E-04	1.54E-03	1.34E-02	1.01E-01	3.39E-01	6.24E-01	5.01E-01	1.49E-01
Std	1.12E-03	1.23E-02	1.36E-01	6.90E-01	1.58E+00	1.64E+00	8.05E-01	3.28E-01

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 NF-237.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
Np-237								
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	5.92E-03	5.25E-02	3.21E-01	2.02E+00	3.69E+00	2.70E+00	1.29E+00	5.94E-01
Avg	1.58E-05	2.46E-04	2.04E-03	1.66E-02	5.88E-02	1.17E-01	9.47E-02	2.72E-02
Std	1.90E-04	1.93E-03	1.38E-02	9.63E-02	2.18E-01	2.43E-01	1.39E-01	4.98E-02
ALL								
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	5.92E-03	5.25E-02	3.21E-01	2.02E+00	3.69E+00	2.70E+00	1.29E+00	5.94E-01
Avg	1.58E-05	2.46E-04	2.04E-03	1.66E-02	5.88E-02	1.17E-01	9.47E-02	2.72E-02
Std	1.90E-04	1.93E-03	1.38E-02	9.63E-02	2.18E-01	2.43E-01	1.39E-01	4.98E-02

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 NF-237.RAD

Probabilistic Dose vs Pathway(i): Milk (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/>								
Np-237								
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	3.95E-04	3.17E-03	2.12E-02	1.19E-01	2.17E-01	1.67E-01	6.91E-02	3.31E-02
Avg	1.05E-06	1.51E-05	1.23E-04	9.77E-04	3.44E-03	6.76E-03	5.48E-03	1.59E-03
Std	1.27E-05	1.18E-04	8.67E-04	5.67E-03	1.30E-02	1.42E-02	8.02E-03	2.94E-03
<hr/>								
ALL								
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	3.95E-04	3.17E-03	2.12E-02	1.19E-01	2.17E-01	1.67E-01	6.91E-02	3.31E-02
Avg	1.05E-06	1.51E-05	1.23E-04	9.77E-04	3.44E-03	6.76E-03	5.48E-03	1.59E-03
Std	1.27E-05	1.18E-04	8.67E-04	5.67E-03	1.30E-02	1.42E-02	8.02E-03	2.94E-03
<hr/>								

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 NF-237.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	6.60E+00	6.51E+00	6.09E+00	3.66E+00	1.30E+00	3.82E-01	3.72E-03	3.95E-06
0.050	6.72E+00	6.65E+00	6.47E+00	5.85E+00	4.25E+00	1.72E+00	8.96E-02	1.08E-05
0.075	6.86E+00	6.79E+00	6.61E+00	6.26E+00	5.17E+00	2.90E+00	2.32E-01	2.00E-05
0.100	7.01E+00	6.90E+00	6.76E+00	6.44E+00	5.77E+00	3.80E+00	5.19E-01	3.07E-05
0.125	7.16E+00	7.05E+00	6.90E+00	6.60E+00	6.15E+00	4.56E+00	8.20E-01	4.30E-05
0.150	7.36E+00	7.23E+00	7.05E+00	6.78E+00	6.46E+00	4.97E+00	1.22E+00	5.97E-05
0.175	7.52E+00	7.37E+00	7.22E+00	7.02E+00	6.70E+00	5.32E+00	1.54E+00	7.65E-05
0.200	7.69E+00	7.56E+00	7.42E+00	7.26E+00	6.96E+00	5.74E+00	1.88E+00	1.06E-04
0.225	7.88E+00	7.77E+00	7.60E+00	7.46E+00	7.25E+00	6.14E+00	2.23E+00	1.64E-04
0.250	8.09E+00	7.99E+00	7.78E+00	7.64E+00	7.49E+00	6.40E+00	2.74E+00	2.78E-04
0.275	8.32E+00	8.19E+00	8.04E+00	7.95E+00	7.74E+00	6.79E+00	3.05E+00	6.69E-04
0.300	8.57E+00	8.46E+00	8.32E+00	8.20E+00	8.09E+00	7.06E+00	3.45E+00	8.39E-03
0.325	8.82E+00	8.73E+00	8.58E+00	8.49E+00	8.40E+00	7.43E+00	3.89E+00	2.97E-02
0.350	9.12E+00	8.98E+00	8.79E+00	8.73E+00	8.62E+00	7.78E+00	4.27E+00	7.40E-02
0.375	9.36E+00	9.30E+00	9.09E+00	9.00E+00	8.94E+00	8.02E+00	4.64E+00	1.18E-01
0.400	9.67E+00	9.58E+00	9.39E+00	9.21E+00	9.29E+00	8.37E+00	5.00E+00	1.82E-01
0.425	1.00E+01	9.86E+00	9.72E+00	9.52E+00	9.67E+00	8.86E+00	5.38E+00	2.48E-01
0.450	1.04E+01	1.03E+01	1.01E+01	9.88E+00	9.98E+00	9.33E+00	5.76E+00	3.43E-01
0.475	1.08E+01	1.07E+01	1.04E+01	1.04E+01	1.04E+01	9.67E+00	6.15E+00	4.31E-01
0.500	1.12E+01	1.11E+01	1.09E+01	1.07E+01	1.08E+01	1.01E+01	6.52E+00	5.62E-01
0.525	1.17E+01	1.15E+01	1.13E+01	1.13E+01	1.13E+01	1.07E+01	6.99E+00	7.41E-01
0.550	1.22E+01	1.20E+01	1.19E+01	1.17E+01	1.18E+01	1.12E+01	7.44E+00	9.08E-01
0.575	1.27E+01	1.26E+01	1.24E+01	1.22E+01	1.24E+01	1.18E+01	8.12E+00	1.06E+00
0.600	1.33E+01	1.31E+01	1.29E+01	1.29E+01	1.30E+01	1.24E+01	8.56E+00	1.28E+00
0.625	1.40E+01	1.38E+01	1.36E+01	1.36E+01	1.36E+01	1.31E+01	9.06E+00	1.52E+00
0.650	1.49E+01	1.47E+01	1.45E+01	1.44E+01	1.44E+01	1.40E+01	9.56E+00	1.75E+00
0.675	1.57E+01	1.55E+01	1.53E+01	1.51E+01	1.53E+01	1.45E+01	1.02E+01	1.96E+00
0.700	1.66E+01	1.64E+01	1.63E+01	1.60E+01	1.61E+01	1.54E+01	1.09E+01	2.33E+00
0.725	1.76E+01	1.74E+01	1.73E+01	1.67E+01	1.69E+01	1.65E+01	1.16E+01	2.65E+00
0.750	1.90E+01	1.87E+01	1.84E+01	1.78E+01	1.77E+01	1.77E+01	1.22E+01	2.93E+00
0.775	2.02E+01	2.02E+01	1.97E+01	1.90E+01	1.89E+01	1.89E+01	1.30E+01	3.34E+00
0.800	2.21E+01	2.16E+01	2.08E+01	2.01E+01	1.97E+01	2.03E+01	1.41E+01	3.81E+00
0.825	2.29E+01	2.24E+01	2.20E+01	2.10E+01	2.07E+01	2.15E+01	1.52E+01	4.54E+00
0.850	2.30E+01	2.28E+01	2.24E+01	2.17E+01	2.14E+01	2.25E+01	1.68E+01	5.20E+00
0.875	2.31E+01	2.29E+01	2.27E+01	2.23E+01	2.22E+01	2.37E+01	1.85E+01	6.30E+00
0.900	2.31E+01	2.30E+01	2.29E+01	2.26E+01	2.29E+01	2.61E+01	2.05E+01	7.45E+00
0.925	2.31E+01	2.31E+01	2.30E+01	2.30E+01	2.32E+01	3.04E+01	2.27E+01	8.52E+00
0.950	2.32E+01	2.31E+01	2.31E+01	2.31E+01	2.63E+01	3.91E+01	2.63E+01	1.08E+01
0.975	2.32E+01	2.32E+01	2.32E+01	2.38E+01	3.60E+01	5.81E+01	3.38E+01	1.39E+01
1.000	2.32E+01	2.35E+01	3.24E+01	1.35E+02	2.33E+02	1.65E+02	9.25E+01	4.06E+01

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NF-237.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	6.38E+00	2.32E+01	1.34E+01	1.12E+01	2.31E+01	2.32E+01	2.32E+01	2.32E+01
1.00E+00	5.79E+00	2.35E+01	1.33E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.06E+00	5.75E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.12E+00	5.69E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.19E+00	5.64E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.25E+00	5.58E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.33E+00	5.52E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.40E+00	5.46E+00	2.36E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.49E+00	5.40E+00	2.36E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.57E+00	5.33E+00	2.36E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.66E+00	5.26E+00	2.36E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.76E+00	5.18E+00	2.36E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.86E+00	5.11E+00	2.37E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.97E+00	5.03E+00	2.37E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
2.09E+00	4.94E+00	2.37E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
2.21E+00	4.85E+00	2.37E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.24E+00	4.76E+00	2.38E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.27E+00	4.67E+00	2.38E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.26E+00	4.57E+00	2.38E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.27E+00	4.47E+00	2.39E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.29E+00	4.37E+00	2.39E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.00E+00	4.32E+00	2.39E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.10E+00	4.26E+00	2.48E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.28E+00	4.14E+00	2.86E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.48E+00	3.95E+00	3.25E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.68E+00	3.75E+00	3.66E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
3.89E+00	3.55E+00	4.09E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.31E+01	2.32E+01
4.12E+00	3.36E+00	4.52E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.31E+01	2.32E+01
4.36E+00	3.16E+00	4.98E+01	1.30E+01	1.08E+01	2.28E+01	2.31E+01	2.31E+01	2.33E+01
4.61E+00	2.97E+00	5.45E+01	1.30E+01	1.08E+01	2.28E+01	2.31E+01	2.31E+01	2.35E+01
4.88E+00	2.49E+00	5.93E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.31E+01	2.43E+01
5.17E+00	1.81E+00	6.43E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.31E+01	2.44E+01
5.47E+00	1.05E+00	6.95E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.31E+01	2.45E+01
5.78E+00	4.35E-01	7.48E+01	1.30E+01	1.09E+01	2.27E+01	2.31E+01	2.31E+01	2.46E+01
6.12E+00	6.40E-02	8.02E+01	1.30E+01	1.09E+01	2.27E+01	2.31E+01	2.31E+01	2.46E+01
6.48E+00	0.00E+00	8.58E+01	1.30E+01	1.09E+01	2.27E+01	2.31E+01	2.31E+01	2.47E+01
6.86E+00	0.00E+00	9.15E+01	1.30E+01	1.09E+01	2.27E+01	2.31E+01	2.31E+01	2.48E+01
7.26E+00	0.00E+00	9.73E+01	1.30E+01	1.09E+01	2.26E+01	2.31E+01	2.31E+01	2.50E+01
7.68E+00	0.00E+00	1.03E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.31E+01	2.52E+01
8.13E+00	2.74E-05	1.09E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.31E+01	2.55E+01
8.60E+00	1.91E-04	1.15E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.31E+01	2.58E+01
9.10E+00	0.00E+00	1.22E+02	1.31E+01	1.08E+01	2.25E+01	2.31E+01	2.32E+01	2.60E+01
9.63E+00	0.00E+00	1.28E+02	1.31E+01	1.07E+01	2.27E+01	2.31E+01	2.32E+01	2.63E+01
1.00E+01	0.00E+00	1.32E+02	1.32E+01	1.07E+01	2.27E+01	2.31E+01	2.32E+01	2.66E+01
1.02E+01	0.00E+00	1.34E+02	1.32E+01	1.06E+01	2.26E+01	2.31E+01	2.32E+01	2.67E+01
1.08E+01	0.00E+00	1.40E+02	1.32E+01	1.07E+01	2.27E+01	2.31E+01	2.33E+01	2.70E+01
1.14E+01	0.00E+00	1.47E+02	1.32E+01	1.07E+01	2.26E+01	2.31E+01	2.34E+01	2.82E+01
1.21E+01	0.00E+00	1.53E+02	1.33E+01	1.06E+01	2.27E+01	2.31E+01	2.34E+01	2.95E+01
1.28E+01	0.00E+00	1.59E+02	1.33E+01	1.07E+01	2.27E+01	2.31E+01	2.35E+01	3.08E+01
1.35E+01	0.00E+00	1.65E+02	1.34E+01	1.07E+01	2.27E+01	2.31E+01	2.39E+01	3.22E+01
1.43E+01	0.00E+00	1.71E+02	1.34E+01	1.07E+01	2.27E+01	2.31E+01	2.41E+01	3.37E+01
1.51E+01	0.00E+00	1.77E+02	1.35E+01	1.08E+01	2.28E+01	2.31E+01	2.47E+01	3.52E+01
1.60E+01	0.00E+00	1.83E+02	1.35E+01	1.08E+01	2.28E+01	2.31E+01	2.59E+01	3.69E+01
1.70E+01	0.00E+00	1.89E+02	1.36E+01	1.07E+01	2.28E+01	2.32E+01	2.68E+01	3.85E+01
1.80E+01	0.00E+00	1.94E+02	1.37E+01	1.07E+01	2.29E+01	2.32E+01	2.76E+01	4.03E+01
1.90E+01	0.00E+00	2.00E+02	1.38E+01	1.07E+01	2.28E+01	2.33E+01	2.83E+01	4.21E+01

2.01E+01 0.00E+00 2.05E+02 1.38E+01 1.08E+01 2.29E+01 2.35E+01 2.95E+01 4.41E+01

2.13E+01 0.00E+00 2.09E+02 1.39E+01 1.08E+01 2.29E+01 2.36E+01 3.00E+01 4.61E+01

2.25E+01 0.00E+00 2.14E+02 1.40E+01 1.07E+01 2.29E+01 2.42E+01 3.06E+01 4.97E+01

2.38E+01 0.00E+00 2.18E+02 1.41E+01 1.07E+01 2.29E+01 2.51E+01 3.16E+01 5.40E+01

2.52E+01 0.00E+00 2.22E+02 1.42E+01 1.07E+01 2.29E+01 2.56E+01 3.26E+01 5.85E+01

2.67E+01 0.00E+00 2.26E+02 1.43E+01 1.09E+01 2.30E+01 2.73E+01 3.37E+01 6.30E+01

2.82E+01 0.00E+00 2.29E+02 1.44E+01 1.09E+01 2.30E+01 2.82E+01 3.47E+01 6.77E+01

2.99E+01 0.00E+00 2.32E+02 1.45E+01 1.09E+01 2.30E+01 2.90E+01 3.64E+01 7.24E+01

3.00E+01 0.00E+00 2.33E+02 1.45E+01 1.09E+01 2.30E+01 2.92E+01 3.65E+01 7.27E+01

3.16E+01 0.00E+00 2.35E+02 1.46E+01 1.09E+01 2.30E+01 2.97E+01 3.82E+01 7.72E+01

3.35E+01 0.00E+00 2.38E+02 1.47E+01 1.10E+01 2.30E+01 3.02E+01 3.97E+01 8.21E+01

3.54E+01 0.00E+00 2.40E+02 1.48E+01 1.10E+01 2.30E+01 3.07E+01 4.06E+01 8.70E+01

3.75E+01 0.00E+00 2.42E+02 1.48E+01 1.09E+01 2.30E+01 3.13E+01 4.27E+01 9.19E+01

3.97E+01 0.00E+00 2.43E+02 1.49E+01 1.09E+01 2.30E+01 3.18E+01 4.54E+01 9.68E+01

4.20E+01 0.00E+00 2.45E+02 1.50E+01 1.08E+01 2.33E+01 3.26E+01 4.82E+01 1.02E+02

4.44E+01 0.00E+00 2.19E+02 1.50E+01 1.07E+01 2.34E+01 3.35E+01 5.09E+01 1.07E+02

4.70E+01 0.00E+00 2.00E+02 1.49E+01 1.06E+01 2.35E+01 3.50E+01 5.27E+01 1.12E+02

4.97E+01 0.00E+00 2.03E+02 1.49E+01 1.06E+01 2.35E+01 3.61E+01 5.46E+01 1.16E+02

5.26E+01 0.00E+00 2.05E+02 1.49E+01 1.07E+01 2.35E+01 3.69E+01 5.65E+01 1.02E+02

5.57E+01 0.00E+00 2.07E+02 1.49E+01 1.06E+01 2.35E+01 3.76E+01 5.84E+01 9.40E+01

5.90E+01 0.00E+00 2.09E+02 1.50E+01 1.05E+01 2.35E+01 3.84E+01 5.77E+01 9.76E+01

6.24E+01 0.00E+00 2.11E+02 1.50E+01 1.04E+01 2.39E+01 3.90E+01 5.99E+01 1.01E+02

6.0E+01 0.00E+00 2.12E+02 1.50E+01 1.05E+01 2.46E+01 3.75E+01 6.07E+01 1.05E+02

99E+01 0.00E+00 2.13E+02 1.50E+01 1.03E+01 2.47E+01 3.90E+01 6.04E+01 1.00E+02

7.39E+01 0.00E+00 2.14E+02 1.51E+01 1.02E+01 2.51E+01 3.94E+01 6.07E+01 9.41E+01

7.82E+01 0.00E+00 2.14E+02 1.51E+01 1.02E+01 2.55E+01 3.94E+01 6.18E+01 9.23E+01

8.28E+01 0.00E+00 1.94E+02 1.50E+01 1.02E+01 2.62E+01 4.09E+01 6.16E+01 9.35E+01

8.76E+01 0.00E+00 1.59E+02 1.48E+01 1.02E+01 2.68E+01 4.25E+01 6.06E+01 9.15E+01

9.27E+01 0.00E+00 1.55E+02 1.47E+01 1.01E+01 2.68E+01 4.22E+01 6.05E+01 9.36E+01

9.81E+01 0.00E+00 1.49E+02 1.45E+01 1.00E+01 2.64E+01 4.35E+01 6.14E+01 8.26E+01

1.00E+02 0.00E+00 1.49E+02 1.45E+01 1.00E+01 2.64E+01 4.40E+01 6.15E+01 8.14E+01

1.04E+02 0.00E+00 1.49E+02 1.44E+01 9.96E+00 2.65E+01 4.43E+01 6.05E+01 8.06E+01

1.10E+02 0.00E+00 1.49E+02 1.43E+01 9.96E+00 2.70E+01 4.02E+01 5.71E+01 8.02E+01

1.16E+02 0.00E+00 1.49E+02 1.42E+01 9.96E+00 2.72E+01 4.22E+01 5.83E+01 7.41E+01

1.23E+02 0.00E+00 1.49E+02 1.40E+01 9.91E+00 2.75E+01 4.01E+01 5.79E+01 7.07E+01

1.30E+02 0.00E+00 1.49E+02 1.38E+01 9.82E+00 2.66E+01 4.09E+01 5.70E+01 6.60E+01

1.38E+02 0.00E+00 1.49E+02 1.36E+01 9.58E+00 2.69E+01 4.13E+01 5.36E+01 6.51E+01

1.46E+02 0.00E+00 1.49E+02 1.34E+01 9.62E+00 2.69E+01 3.88E+01 5.13E+01 6.57E+01

1.54E+02 0.00E+00 1.49E+02 1.32E+01 9.31E+00 2.59E+01 3.71E+01 5.11E+01 6.11E+01

1.63E+02 0.00E+00 1.26E+02 1.28E+01 9.25E+00 2.54E+01 3.60E+01 4.85E+01 5.84E+01

1.73E+02 0.00E+00 1.24E+02 1.24E+01 8.97E+00 2.53E+01 3.65E+01 4.54E+01 5.75E+01

1.83E+02 0.00E+00 1.08E+02 1.20E+01 8.77E+00 2.48E+01 3.44E+01 4.37E+01 5.79E+01

1.94E+02 0.00E+00 9.23E+01 1.16E+01 8.51E+00 2.47E+01 3.45E+01 4.11E+01 5.86E+01

2.05E+02 0.00E+00 7.84E+01 1.13E+01 8.29E+00 2.42E+01 3.42E+01 4.26E+01 5.90E+01

2.17E+02 0.00E+00 6.82E+01 1.11E+01 8.07E+00 2.37E+01 3.29E+01 4.38E+01 5.94E+01

2.29E+02 0.00E+00 6.70E+01 1.07E+01 7.73E+00 2.32E+01 3.08E+01 4.41E+01 5.46E+01

2.43E+02 0.00E+00 6.66E+01 1.04E+01 7.30E+00 2.23E+01 3.08E+01 4.34E+01 5.26E+01

2.57E+02 2.08E-08 6.79E+01 1.00E+01 6.97E+00 2.21E+01 2.88E+01 4.11E+01 5.26E+01

2.72E+02 2.09E-08 6.92E+01 9.67E+00 6.52E+00 2.17E+01 2.77E+01 3.96E+01 5.01E+01

2.88E+02 2.10E-08 7.03E+01 9.33E+00 6.41E+00 2.12E+01 2.63E+01 3.66E+01 4.97E+01

3.00E+02 2.10E-08 7.12E+01 9.09E+00 6.20E+00 2.06E+01 2.64E+01 3.62E+01 4.85E+01

3.05E+02 2.10E-08 7.15E+01 8.98E+00 6.16E+00 2.05E+01 2.61E+01 3.50E+01 4.85E+01

3.22E+02 0.00E+00 7.25E+01 8.60E+00 6.00E+00 1.94E+01 2.49E+01 3.12E+01 4.58E+01

3.41E+02 0.00E+00 7.35E+01 8.19E+00 5.76E+00 1.84E+01 2.37E+01 3.05E+01 4.50E+01

3.61E+02 0.00E+00 7.44E+01 7.72E+00 5.59E+00 1.80E+01 2.27E+01 2.77E+01 3.70E+01

3.82E+02 0.00E+00 7.53E+01 7.32E+00 5.21E+00 1.72E+01 2.12E+01 2.65E+01 3.71E+01

4.04E+02 0.00E+00 7.31E+01 6.97E+00 4.79E+00 1.68E+01 2.08E+01 2.64E+01 3.42E+01

4.28E+02 0.00E+00 6.26E+01 6.59E+00 4.47E+00 1.59E+01 1.95E+01 2.50E+01 3.09E+01

4.53E+02 0.00E+00 5.31E+01 6.22E+00 4.19E+00 1.52E+01 1.93E+01 2.32E+01 2.94E+01

4.79E+02 0.00E+00 4.59E+01 5.85E+00 3.90E+00 1.41E+01 1.85E+01 2.18E+01 2.85E+01

5.07E+02 0.00E+00 4.59E+01 5.52E+00 3.65E+00 1.34E+01 1.85E+01 2.13E+01 2.69E+01

5.36E+02 0.00E+00 4.60E+01 5.20E+00 3.29E+00 1.34E+01 1.78E+01 2.08E+01 2.67E+01

5.68E+02 0.00E+00 4.61E+01 4.92E+00 2.87E+00 1.33E+01 1.73E+01 2.00E+01 2.59E+01

0.01E+02 0.00E+00 4.62E+01 4.63E+00 2.51E+00 1.25E+01 1.65E+01 1.96E+01 2.54E+01

6.36E+02 0.00E+00 4.63E+01 4.31E+00 2.27E+00 1.18E+01 1.59E+01 1.84E+01 2.48E+01

6.73E+02 0.00E+00 3.58E+01 3.92E+00 2.15E+00 1.06E+01 1.56E+01 1.81E+01 2.26E+01

7.12E+02 0.00E+00 3.43E+01 3.66E+00 1.87E+00 1.01E+01 1.50E+01 1.81E+01 2.24E+01

7.53E+02 0.00E+00 3.29E+01 3.41E+00 1.54E+00 9.27E+00 1.48E+01 1.80E+01 2.05E+01

7.97E+02 0.00E+00 3.14E+01 3.18E+00 1.29E+00 8.86E+00 1.42E+01 1.74E+01 1.94E+01

8.44E+02 0.00E+00 2.99E+01 2.95E+00 1.10E+00 8.61E+00 1.32E+01 1.61E+01 1.94E+01

9.93E+02 0.00E+00 2.84E+01 2.75E+00 9.07E-01 8.33E+00 1.22E+01 1.55E+01 1.97E+01

9.45E+02 5.14E-08 2.69E+01 2.55E+00 7.75E-01 8.02E+00 1.17E+01 1.50E+01 1.96E+01

1.00E+03 5.12E-08 2.54E+01 2.36E+00 5.85E-01 7.57E+00 1.07E+01 1.40E+01 1.94E+01

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NF-237.RAD

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	6.12E+00	2.32E+01	1.34E+01	1.12E+01	2.31E+01	2.32E+01	2.32E+01	2.32E+01
1.00E+00	5.34E+00	2.32E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.06E+00	5.30E+00	2.32E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.12E+00	5.25E+00	2.32E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.19E+00	5.21E+00	2.32E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.25E+00	5.16E+00	2.33E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.33E+00	5.11E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.40E+00	5.05E+00	2.35E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.49E+00	5.00E+00	2.36E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
1.57E+00	4.94E+00	2.37E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
1.66E+00	4.87E+00	2.38E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
1.76E+00	4.81E+00	2.40E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
1.86E+00	4.74E+00	2.41E+01	1.31E+01	1.10E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
1.97E+00	4.67E+00	2.42E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.09E+00	4.60E+00	2.46E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.21E+00	4.52E+00	2.56E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.34E+00	4.44E+00	2.68E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.47E+00	4.36E+00	2.79E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.62E+00	4.27E+00	2.92E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.31E+01	2.32E+01
2.77E+00	4.14E+00	3.05E+01	1.30E+01	1.08E+01	2.29E+01	2.31E+01	2.32E+01	2.33E+01
2.93E+00	3.92E+00	3.18E+01	1.30E+01	1.08E+01	2.29E+01	2.31E+01	2.32E+01	2.33E+01
3.00E+00	3.80E+00	3.24E+01	1.30E+01	1.08E+01	2.29E+01	2.31E+01	2.32E+01	2.33E+01
3.310E+00	3.61E+00	3.33E+01	1.30E+01	1.08E+01	2.29E+01	2.31E+01	2.32E+01	2.33E+01
3.328E+00	3.28E+00	3.47E+01	1.30E+01	1.08E+01	2.28E+01	2.31E+01	2.31E+01	2.33E+01
3.48E+00	2.93E+00	3.63E+01	1.30E+01	1.07E+01	2.28E+01	2.31E+01	2.31E+01	2.33E+01
3.68E+00	2.55E+00	3.79E+01	1.30E+01	1.07E+01	2.28E+01	2.31E+01	2.31E+01	2.34E+01
3.89E+00	2.14E+00	3.96E+01	1.30E+01	1.07E+01	2.28E+01	2.31E+01	2.31E+01	2.34E+01
4.12E+00	1.69E+00	4.14E+01	1.30E+01	1.08E+01	2.28E+01	2.31E+01	2.31E+01	2.34E+01
4.36E+00	1.17E+00	4.32E+01	1.30E+01	1.08E+01	2.28E+01	2.31E+01	2.31E+01	2.58E+01
4.61E+00	6.72E-01	4.51E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.31E+01	2.62E+01
4.88E+00	2.84E-01	4.71E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.31E+01	2.67E+01
5.17E+00	4.20E-02	5.43E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.31E+01	2.71E+01
5.47E+00	1.99E-05	6.21E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.31E+01	2.76E+01
5.578E+00	0.00E+00	6.98E+01	1.30E+01	1.08E+01	2.27E+01	2.30E+01	2.31E+01	2.81E+01
6.12E+00	0.00E+00	7.74E+01	1.30E+01	1.07E+01	2.27E+01	2.30E+01	2.31E+01	2.86E+01
6.48E+00	0.00E+00	8.49E+01	1.30E+01	1.07E+01	2.27E+01	2.30E+01	2.32E+01	2.92E+01
6.86E+00	0.00E+00	9.22E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.32E+01	2.98E+01
7.26E+00	0.00E+00	9.94E+01	1.30E+01	1.07E+01	2.27E+01	2.31E+01	2.32E+01	3.04E+01
7.68E+00	0.00E+00	1.06E+02	1.30E+01	1.08E+01	2.27E+01	2.31E+01	2.33E+01	3.10E+01
8.13E+00	0.00E+00	1.13E+02	1.30E+01	1.08E+01	2.27E+01	2.31E+01	2.33E+01	3.17E+01
8.60E+00	0.00E+00	1.19E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.35E+01	3.25E+01
9.10E+00	0.00E+00	1.26E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.36E+01	3.31E+01
9.63E+00	0.00E+00	1.31E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.38E+01	3.37E+01
1.00E+01	0.00E+00	1.35E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.39E+01	3.41E+01
1.02E+01	0.00E+00	1.37E+02	1.31E+01	1.08E+01	2.25E+01	2.31E+01	2.39E+01	3.43E+01
1.08E+01	0.00E+00	1.42E+02	1.31E+01	1.08E+01	2.25E+01	2.31E+01	2.41E+01	3.50E+01
1.14E+01	0.00E+00	1.47E+02	1.32E+01	1.07E+01	2.25E+01	2.31E+01	2.42E+01	3.68E+01
1.21E+01	0.00E+00	1.51E+02	1.32E+01	1.07E+01	2.25E+01	2.31E+01	2.44E+01	3.78E+01
1.28E+01	0.00E+00	1.55E+02	1.32E+01	1.07E+01	2.25E+01	2.31E+01	2.46E+01	3.88E+01
1.35E+01	0.00E+00	1.59E+02	1.32E+01	1.08E+01	2.24E+01	2.31E+01	2.50E+01	3.99E+01
1.43E+01	0.00E+00	1.62E+02	1.33E+01	1.07E+01	2.24E+01	2.32E+01	2.55E+01	4.10E+01
1.51E+01	0.00E+00	1.65E+02	1.33E+01	1.07E+01	2.24E+01	2.32E+01	2.61E+01	4.22E+01
1.60E+01	0.00E+00	1.68E+02	1.33E+01	1.07E+01	2.24E+01	2.32E+01	2.66E+01	4.35E+01
1.70E+01	0.00E+00	1.70E+02	1.34E+01	1.07E+01	2.24E+01	2.32E+01	2.73E+01	4.48E+01
1.80E+01	0.00E+00	1.72E+02	1.34E+01	1.07E+01	2.25E+01	2.32E+01	2.84E+01	4.62E+01
1.90E+01	0.00E+00	1.74E+02	1.34E+01	1.07E+01	2.25E+01	2.35E+01	2.89E+01	4.76E+01

2.01E+01 0.00E+00 1.75E+02 1.35E+01 1.07E+01 2.26E+01 2.36E+01 2.92E+01 4.91E+01

2.13E+01 0.00E+00 1.76E+02 1.35E+01 1.07E+01 2.26E+01 2.41E+01 3.02E+01 5.07E+01

2.25E+01 0.00E+00 1.77E+02 1.35E+01 1.07E+01 2.26E+01 2.45E+01 3.12E+01 5.24E+01

2.38E+01 0.00E+00 1.78E+02 1.36E+01 1.07E+01 2.26E+01 2.49E+01 3.22E+01 5.41E+01

2.52E+01 0.00E+00 1.79E+02 1.36E+01 1.07E+01 2.28E+01 2.53E+01 3.32E+01 5.59E+01

2.67E+01 0.00E+00 1.79E+02 1.37E+01 1.07E+01 2.28E+01 2.55E+01 3.43E+01 5.78E+01

2.82E+01 0.00E+00 1.79E+02 1.37E+01 1.06E+01 2.28E+01 2.56E+01 3.54E+01 5.98E+01

2.99E+01 0.00E+00 1.80E+02 1.38E+01 1.06E+01 2.28E+01 2.63E+01 3.66E+01 6.18E+01

3.00E+01 0.00E+00 1.80E+02 1.38E+01 1.06E+01 2.28E+01 2.63E+01 3.67E+01 6.19E+01

3.16E+01 0.00E+00 1.80E+02 1.39E+01 1.06E+01 2.28E+01 2.71E+01 3.83E+01 6.39E+01

3.35E+01 0.00E+00 1.80E+02 1.40E+01 1.06E+01 2.29E+01 2.80E+01 4.26E+01 6.61E+01

3.54E+01 0.00E+00 1.80E+02 1.41E+01 1.06E+01 2.29E+01 2.88E+01 4.75E+01 6.84E+01

3.75E+01 0.00E+00 1.80E+02 1.42E+01 1.07E+01 2.29E+01 2.93E+01 4.93E+01 6.87E+01

3.97E+01 0.00E+00 1.80E+02 1.42E+01 1.07E+01 2.30E+01 2.98E+01 5.11E+01 7.32E+01

4.20E+01 0.00E+00 1.80E+02 1.43E+01 1.06E+01 2.31E+01 3.04E+01 5.29E+01 7.57E+01

4.44E+01 0.00E+00 1.80E+02 1.44E+01 1.07E+01 2.31E+01 3.10E+01 5.59E+01 7.83E+01

4.70E+01 1.64E-04 1.80E+02 1.44E+01 1.06E+01 2.31E+01 3.16E+01 6.00E+01 8.10E+01

4.97E+01 1.19E-02 1.80E+02 1.45E+01 1.06E+01 2.32E+01 3.22E+01 6.32E+01 8.37E+01

5.26E+01 2.36E-02 1.80E+02 1.46E+01 1.06E+01 2.32E+01 3.29E+01 6.50E+01 8.65E+01

5.57E+01 2.89E-02 1.80E+02 1.46E+01 1.06E+01 2.33E+01 3.36E+01 6.47E+01 8.94E+01

5.90E+01 2.89E-02 1.80E+02 1.47E+01 1.07E+01 2.33E+01 3.35E+01 6.39E+01 9.08E+01

6.24E+01 2.89E-02 1.80E+02 1.47E+01 1.07E+01 2.37E+01 3.46E+01 6.30E+01 9.21E+01

6.0E+01 2.89E-02 1.80E+02 1.47E+01 1.08E+01 2.43E+01 3.59E+01 6.45E+01 9.44E+01

99E+01 2.89E-02 1.80E+02 1.47E+01 1.09E+01 2.45E+01 3.67E+01 6.59E+01 9.66E+01

7.39E+01 2.32E-02 1.80E+02 1.47E+01 1.10E+01 2.46E+01 3.74E+01 6.28E+01 9.87E+01

7.82E+01 1.67E-02 1.78E+02 1.48E+01 1.09E+01 2.46E+01 3.82E+01 6.17E+01 1.01E+02

8.28E+01 1.18E-02 1.24E+02 1.46E+01 1.08E+01 2.53E+01 3.87E+01 6.31E+01 9.61E+01

8.76E+01 8.16E-03 1.30E+02 1.45E+01 1.06E+01 2.57E+01 3.75E+01 5.94E+01 9.49E+01

9.27E+01 2.04E-02 1.37E+02 1.44E+01 1.04E+01 2.57E+01 3.67E+01 5.80E+01 9.49E+01

9.81E+01 1.40E-02 1.43E+02 1.43E+01 1.03E+01 2.58E+01 3.71E+01 5.87E+01 8.25E+01

1.00E+02 1.22E-02 1.41E+02 1.42E+01 1.01E+01 2.57E+01 3.72E+01 5.90E+01 7.87E+01

1.04E+02 9.34E-03 1.33E+02 1.42E+01 1.01E+01 2.60E+01 3.76E+01 5.95E+01 7.53E+01

1.10E+02 6.11E-03 1.23E+02 1.41E+01 1.01E+01 2.69E+01 3.67E+01 6.00E+01 7.66E+01

1.16E+02 3.90E-03 1.14E+02 1.39E+01 1.00E+01 2.72E+01 3.44E+01 5.46E+01 7.71E+01

1.23E+02 1.39E-02 1.14E+02 1.38E+01 9.93E+00 2.74E+01 3.33E+01 5.24E+01 7.68E+01

1.30E+02 3.10E-03 1.14E+02 1.37E+01 9.82E+00 2.72E+01 3.33E+01 5.26E+01 7.59E+01

1.38E+02 7.00E-04 1.14E+02 1.35E+01 9.70E+00 2.72E+01 3.35E+01 5.08E+01 6.95E+01

1.46E+02 2.12E-04 1.14E+02 1.33E+01 9.62E+00 2.72E+01 3.38E+01 5.09E+01 6.44E+01

1.54E+02 1.28E-06 1.14E+02 1.30E+01 9.56E+00 2.71E+01 3.39E+01 4.80E+01 5.99E+01

1.63E+02 1.28E-06 1.14E+02 1.28E+01 9.42E+00 2.71E+01 3.31E+01 4.77E+01 5.98E+01

1.73E+02 1.27E-06 1.14E+02 1.26E+01 9.15E+00 2.68E+01 3.25E+01 4.37E+01 5.99E+01

1.83E+02 8.49E-07 1.14E+02 1.23E+01 8.93E+00 2.63E+01 3.27E+01 4.35E+01 6.00E+01

1.94E+02 8.24E-07 1.04E+02 1.20E+01 8.60E+00 2.58E+01 3.28E+01 4.11E+01 6.02E+01

2.05E+02 0.00E+00 9.29E+01 1.15E+01 8.44E+00 2.54E+01 3.18E+01 3.68E+01 5.11E+01

2.17E+02 0.00E+00 9.59E+01 1.11E+01 8.14E+00 2.40E+01 3.09E+01 3.61E+01 5.18E+01

2.29E+02 0.00E+00 9.88E+01 1.07E+01 7.76E+00 2.33E+01 3.04E+01 3.41E+01 4.68E+01

2.43E+02 0.00E+00 1.02E+02 1.03E+01 7.52E+00 2.31E+01 3.00E+01 3.35E+01 4.33E+01

2.57E+02 0.00E+00 1.04E+02 9.94E+00 7.25E+00 2.29E+01 2.87E+01 3.26E+01 4.39E+01

2.72E+02 0.00E+00 1.01E+02 9.59E+00 6.96E+00 2.23E+01 2.72E+01 3.23E+01 4.43E+01

2.88E+02 0.00E+00 8.91E+01 9.24E+00 6.89E+00 2.18E+01 2.72E+01 3.27E+01 4.48E+01

3.00E+02 0.00E+00 8.11E+01 8.98E+00 6.57E+00 2.13E+01 2.68E+01 3.31E+01 4.51E+01

3.05E+02 0.00E+00 7.83E+01 8.88E+00 6.48E+00 2.12E+01 2.66E+01 3.32E+01 4.52E+01

3.22E+02 0.00E+00 6.82E+01 8.55E+00 6.15E+00 2.00E+01 2.64E+01 3.36E+01 4.32E+01

3.41E+02 0.00E+00 5.94E+01 8.19E+00 5.67E+00 1.94E+01 2.62E+01 3.38E+01 4.14E+01

3.61E+02 0.00E+00 5.06E+01 7.81E+00 5.35E+00 1.92E+01 2.50E+01 3.26E+01 4.10E+01

3.82E+02 0.00E+00 4.73E+01 7.45E+00 5.06E+00 1.83E+01 2.36E+01 3.25E+01 3.72E+01

4.04E+02 0.00E+00 4.83E+01 7.10E+00 4.86E+00 1.74E+01 2.36E+01 3.05E+01 3.62E+01

4.28E+02 0.00E+00 4.92E+01 6.75E+00 4.51E+00 1.71E+01 2.19E+01 2.86E+01 3.22E+01

4.53E+02 0.00E+00 4.67E+01 6.38E+00 4.10E+00 1.64E+01 2.18E+01 2.56E+01 3.23E+01

4.79E+02 0.00E+00 4.14E+01 6.04E+00 3.93E+00 1.56E+01 2.04E+01 2.56E+01 3.24E+01

5.07E+02 0.00E+00 3.77E+01 5.70E+00 3.54E+00 1.46E+01 1.97E+01 2.44E+01 3.01E+01

5.36E+02 0.00E+00 3.59E+01 5.29E+00 3.26E+00 1.30E+01 1.86E+01 2.18E+01 2.72E+01

5.68E+02 0.00E+00 3.40E+01 4.89E+00 2.90E+00 1.23E+01 1.81E+01 2.16E+01 2.62E+01

0.01E+02 0.00E+00 3.22E+01 4.54E+00 2.56E+00 1.18E+01 1.75E+01 2.11E+01 2.52E+01

6.36E+02 3.70E-07 3.03E+01 4.27E+00 2.33E+00 1.15E+01 1.59E+01 1.90E+01 2.49E+01

6.73E+02 3.70E-07 2.89E+01 3.96E+00 2.06E+00 1.10E+01 1.50E+01 1.86E+01 2.42E+01

7.12E+02 3.70E-07 2.89E+01 3.70E+00 1.86E+00 1.04E+01 1.41E+01 1.80E+01 2.35E+01

7.53E+02 3.69E-07 2.89E+01 3.47E+00 1.62E+00 1.03E+01 1.35E+01 1.73E+01 2.30E+01

7.97E+02 3.68E-07 3.71E+01 3.30E+00 1.32E+00 9.59E+00 1.30E+01 1.75E+01 2.32E+01

8.44E+02 3.67E-07 2.90E+01 3.06E+00 1.08E+00 8.93E+00 1.24E+01 1.73E+01 2.34E+01

93E+02 3.66E-07 2.90E+01 2.83E+00 8.47E-01 8.56E+00 1.22E+01 1.58E+01 2.19E+01

9.45E+02 3.64E-07 2.90E+01 2.63E+00 6.78E-01 8.22E+00 1.17E+01 1.53E+01 2.07E+01

1.00E+03 3.63E-07 2.91E+01 2.41E+00 5.54E-01 7.88E+00 1.12E+01 1.42E+01 2.06E+01

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NF-237.RAD

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	6.25E+00	2.32E+01	1.34E+01	1.11E+01	2.31E+01	2.32E+01	2.32E+01	2.32E+01
1.00E+00	5.54E+00	2.33E+01	1.32E+01	1.11E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.06E+00	5.50E+00	2.33E+01	1.32E+01	1.11E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.12E+00	5.46E+00	2.33E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.19E+00	5.42E+00	2.33E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.25E+00	5.38E+00	2.33E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.33E+00	5.33E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.40E+00	5.28E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.49E+00	5.23E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.57E+00	5.17E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.66E+00	5.11E+00	2.34E+01	1.32E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.76E+00	5.05E+00	2.34E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.86E+00	4.99E+00	2.35E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
1.97E+00	4.95E+00	2.35E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
2.09E+00	4.88E+00	2.35E+01	1.31E+01	1.10E+01	2.30E+01	2.31E+01	2.32E+01	2.32E+01
2.21E+00	4.79E+00	2.35E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.24E+00	4.69E+00	2.37E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.47E+00	4.59E+00	2.39E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.62E+00	4.49E+00	2.40E+01	1.31E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.77E+00	4.39E+00	2.42E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
2.93E+00	4.29E+00	2.44E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
3.00E+00	4.24E+00	2.45E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.32E+01
3.10E+00	4.18E+00	2.46E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.33E+01
3.28E+00	4.08E+00	2.48E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.34E+01
3.48E+00	3.97E+00	2.50E+01	1.30E+01	1.09E+01	2.29E+01	2.31E+01	2.32E+01	2.35E+01
3.68E+00	3.87E+00	2.52E+01	1.30E+01	1.09E+01	2.28E+01	2.31E+01	2.32E+01	2.35E+01
3.89E+00	3.76E+00	2.55E+01	1.29E+01	1.09E+01	2.28E+01	2.31E+01	2.32E+01	2.37E+01
4.12E+00	3.35E+00	2.57E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.38E+01
4.36E+00	2.44E+00	2.60E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.39E+01
4.61E+00	1.47E+00	2.63E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.39E+01
4.88E+00	6.92E-01	2.66E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.40E+01
5.17E+00	1.72E-01	2.69E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.40E+01
5.47E+00	4.64E-04	2.72E+01	1.29E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.41E+01
5.57E+00	0.00E+00	2.77E+01	1.29E+01	1.08E+01	2.27E+01	2.31E+01	2.32E+01	2.46E+01
6.12E+00	0.00E+00	3.17E+01	1.29E+01	1.08E+01	2.27E+01	2.31E+01	2.32E+01	2.47E+01
6.48E+00	0.00E+00	3.59E+01	1.29E+01	1.08E+01	2.27E+01	2.31E+01	2.32E+01	2.49E+01
6.86E+00	0.00E+00	4.01E+01	1.28E+01	1.08E+01	2.27E+01	2.31E+01	2.32E+01	2.51E+01
7.26E+00	0.00E+00	4.45E+01	1.28E+01	1.08E+01	2.28E+01	2.31E+01	2.32E+01	2.53E+01
7.68E+00	0.00E+00	4.89E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.40E+01	2.61E+01
8.13E+00	0.00E+00	5.35E+01	1.28E+01	1.07E+01	2.28E+01	2.31E+01	2.42E+01	2.74E+01
8.60E+00	0.00E+00	5.82E+01	1.28E+01	1.07E+01	2.28E+01	2.31E+01	2.42E+01	2.80E+01
9.10E+00	0.00E+00	6.29E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.45E+01	2.85E+01
9.63E+00	0.00E+00	6.78E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.46E+01	2.98E+01
1.00E+01	0.00E+00	7.11E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.48E+01	3.09E+01
1.02E+01	0.00E+00	7.27E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.49E+01	3.14E+01
1.08E+01	0.00E+00	7.77E+01	1.28E+01	1.07E+01	2.27E+01	2.31E+01	2.53E+01	3.24E+01
1.14E+01	0.00E+00	8.27E+01	1.28E+01	1.07E+01	2.26E+01	2.31E+01	2.57E+01	3.35E+01
1.21E+01	0.00E+00	8.78E+01	1.29E+01	1.07E+01	2.26E+01	2.31E+01	2.60E+01	3.50E+01
1.28E+01	0.00E+00	9.29E+01	1.29E+01	1.07E+01	2.26E+01	2.31E+01	2.64E+01	3.59E+01
1.35E+01	0.00E+00	9.79E+01	1.29E+01	1.07E+01	2.26E+01	2.31E+01	2.68E+01	3.68E+01
1.43E+01	0.00E+00	1.03E+02	1.29E+01	1.07E+01	2.26E+01	2.31E+01	2.72E+01	3.78E+01
1.51E+01	0.00E+00	1.08E+02	1.29E+01	1.07E+01	2.25E+01	2.31E+01	2.76E+01	3.89E+01
1.60E+01	0.00E+00	1.13E+02	1.30E+01	1.07E+01	2.25E+01	2.31E+01	2.81E+01	4.00E+01
1.70E+01	0.00E+00	1.18E+02	1.30E+01	1.08E+01	2.25E+01	2.31E+01	2.85E+01	4.12E+01
1.80E+01	0.00E+00	1.23E+02	1.31E+01	1.09E+01	2.25E+01	2.31E+01	2.90E+01	4.26E+01
1.90E+01	0.00E+00	1.28E+02	1.31E+01	1.08E+01	2.26E+01	2.31E+01	2.95E+01	4.45E+01

2.01E+01 0.00E+00 1.32E+02 1.32E+01 1.09E+01 2.25E+01 2.31E+01 3.00E+01 4.65E+01

2.13E+01 0.00E+00 1.37E+02 1.32E+01 1.09E+01 2.26E+01 2.32E+01 3.16E+01 4.85E+01

2.25E+01 0.00E+00 1.41E+02 1.33E+01 1.08E+01 2.26E+01 2.34E+01 3.28E+01 5.07E+01

2.38E+01 0.00E+00 1.45E+02 1.34E+01 1.07E+01 2.26E+01 2.36E+01 3.47E+01 5.29E+01

2.52E+01 0.00E+00 1.49E+02 1.34E+01 1.07E+01 2.26E+01 2.39E+01 3.61E+01 5.52E+01

2.67E+01 0.00E+00 1.53E+02 1.35E+01 1.09E+01 2.26E+01 2.41E+01 3.68E+01 5.76E+01

2.82E+01 0.00E+00 1.56E+02 1.36E+01 1.09E+01 2.26E+01 2.45E+01 3.76E+01 6.01E+01

2.99E+01 0.00E+00 1.60E+02 1.37E+01 1.09E+01 2.26E+01 2.50E+01 3.84E+01 6.46E+01

3.00E+01 0.00E+00 1.60E+02 1.37E+01 1.09E+01 2.26E+01 2.51E+01 3.85E+01 6.49E+01

3.16E+01 0.00E+00 1.63E+02 1.38E+01 1.09E+01 2.26E+01 2.59E+01 3.93E+01 6.96E+01

3.35E+01 0.00E+00 1.66E+02 1.39E+01 1.09E+01 2.26E+01 2.65E+01 4.01E+01 7.46E+01

3.54E+01 0.00E+00 1.68E+02 1.40E+01 1.10E+01 2.26E+01 2.73E+01 4.10E+01 7.78E+01

3.75E+01 0.00E+00 1.71E+02 1.41E+01 1.09E+01 2.28E+01 2.80E+01 4.20E+01 8.09E+01

3.97E+01 0.00E+00 1.73E+02 1.42E+01 1.09E+01 2.28E+01 2.84E+01 4.29E+01 8.42E+01

4.20E+01 0.00E+00 1.75E+02 1.43E+01 1.10E+01 2.29E+01 2.87E+01 4.38E+01 8.75E+01

4.44E+01 0.00E+00 1.76E+02 1.44E+01 1.09E+01 2.30E+01 3.01E+01 4.48E+01 9.09E+01

4.70E+01 0.00E+00 1.78E+02 1.45E+01 1.10E+01 2.30E+01 3.09E+01 4.60E+01 9.44E+01

4.97E+01 0.00E+00 1.79E+02 1.45E+01 1.10E+01 2.30E+01 3.17E+01 4.76E+01 9.45E+01

5.26E+01 0.00E+00 1.80E+02 1.46E+01 1.09E+01 2.31E+01 3.27E+01 4.90E+01 9.22E+01

5.57E+01 0.00E+00 1.81E+02 1.47E+01 1.09E+01 2.31E+01 3.38E+01 5.03E+01 9.34E+01

5.90E+01 0.00E+00 1.82E+02 1.47E+01 1.09E+01 2.35E+01 3.49E+01 5.16E+01 9.64E+01

6.24E+01 0.00E+00 1.82E+02 1.48E+01 1.09E+01 2.41E+01 3.59E+01 5.25E+01 1.00E+02

60E+01 0.00E+00 1.83E+02 1.48E+01 1.09E+01 2.46E+01 3.62E+01 5.35E+01 1.04E+02

99E+01 0.00E+00 1.83E+02 1.48E+01 1.09E+01 2.49E+01 3.63E+01 5.51E+01 1.06E+02

7.39E+01 0.00E+00 1.83E+02 1.48E+01 1.09E+01 2.51E+01 3.68E+01 5.55E+01 1.00E+02

7.82E+01 0.00E+00 1.84E+02 1.48E+01 1.07E+01 2.53E+01 3.74E+01 5.71E+01 9.44E+01

8.28E+01 0.00E+00 1.84E+02 1.48E+01 1.06E+01 2.53E+01 3.81E+01 5.81E+01 8.87E+01

8.76E+01 0.00E+00 1.84E+02 1.48E+01 1.05E+01 2.57E+01 3.85E+01 5.65E+01 8.55E+01

9.27E+01 0.00E+00 1.84E+02 1.47E+01 1.04E+01 2.62E+01 3.88E+01 5.45E+01 8.67E+01

9.81E+01 0.00E+00 1.84E+02 1.47E+01 1.02E+01 2.62E+01 3.89E+01 5.57E+01 8.79E+01

1.00E+02 0.00E+00 1.65E+02 1.46E+01 1.01E+01 2.65E+01 3.90E+01 5.61E+01 8.83E+01

1.04E+02 0.00E+00 1.46E+02 1.44E+01 1.01E+01 2.66E+01 3.93E+01 5.67E+01 8.86E+01

1.10E+02 0.00E+00 1.48E+02 1.44E+01 1.01E+01 2.70E+01 4.00E+01 5.82E+01 7.68E+01

1.16E+02 0.00E+00 1.89E+02 1.44E+01 1.00E+01 2.74E+01 3.94E+01 5.42E+01 7.28E+01

1.23E+02 0.00E+00 2.40E+02 1.43E+01 9.92E+00 2.75E+01 3.96E+01 5.10E+01 7.14E+01

1.30E+02 0.00E+00 2.65E+02 1.42E+01 9.67E+00 2.70E+01 3.96E+01 4.97E+01 7.21E+01

1.38E+02 0.00E+00 2.77E+02 1.40E+01 9.33E+00 2.64E+01 4.06E+01 4.83E+01 7.28E+01

1.46E+02 0.00E+00 2.82E+02 1.39E+01 9.16E+00 2.63E+01 3.88E+01 4.75E+01 7.02E+01

1.54E+02 0.00E+00 1.44E+02 1.34E+01 9.02E+00 2.63E+01 3.91E+01 4.77E+01 6.48E+01

1.63E+02 0.00E+00 1.31E+02 1.29E+01 8.97E+00 2.63E+01 3.84E+01 4.75E+01 6.21E+01

1.73E+02 0.00E+00 1.08E+02 1.25E+01 8.97E+00 2.49E+01 3.57E+01 4.41E+01 6.18E+01

1.83E+02 0.00E+00 9.61E+01 1.21E+01 8.64E+00 2.46E+01 3.31E+01 4.44E+01 5.94E+01

1.94E+02 0.00E+00 9.64E+01 1.18E+01 8.59E+00 2.32E+01 3.22E+01 4.41E+01 5.75E+01

2.05E+02 0.00E+00 1.05E+02 1.15E+01 8.49E+00 2.30E+01 3.25E+01 4.20E+01 5.51E+01

2.17E+02 0.00E+00 1.15E+02 1.12E+01 8.31E+00 2.28E+01 3.12E+01 4.19E+01 5.57E+01

2.29E+02 0.00E+00 1.23E+02 1.09E+01 7.95E+00 2.24E+01 2.98E+01 4.11E+01 5.69E+01

2.43E+02 0.00E+00 1.30E+02 1.06E+01 7.60E+00 2.25E+01 2.92E+01 3.99E+01 5.80E+01

2.57E+02 0.00E+00 1.36E+02 1.03E+01 7.40E+00 2.17E+01 2.81E+01 3.56E+01 5.90E+01

2.72E+02 0.00E+00 1.40E+02 9.97E+00 7.22E+00 2.11E+01 2.65E+01 3.59E+01 5.99E+01

2.88E+02 0.00E+00 1.15E+02 9.59E+00 6.99E+00 2.04E+01 2.63E+01 3.53E+01 4.91E+01

3.00E+02 0.00E+00 9.25E+01 9.21E+00 6.85E+00 2.02E+01 2.60E+01 3.23E+01 4.72E+01

3.05E+02 0.00E+00 8.54E+01 9.07E+00 6.81E+00 2.00E+01 2.58E+01 3.20E+01 4.51E+01

3.22E+02 0.00E+00 6.25E+01 8.60E+00 6.57E+00 1.90E+01 2.48E+01 3.07E+01 3.88E+01

3.41E+02 0.00E+00 6.32E+01 8.20E+00 6.27E+00 1.89E+01 2.48E+01 3.00E+01 3.66E+01

3.61E+02 0.00E+00 6.39E+01 7.83E+00 5.94E+00 1.86E+01 2.39E+01 2.76E+01 3.45E+01

3.82E+02 0.00E+00 6.44E+01 7.49E+00 5.66E+00 1.81E+01 2.29E+01 2.63E+01 3.23E+01

4.04E+02 0.00E+00 6.49E+01 7.14E+00 5.33E+00 1.74E+01 2.08E+01 2.58E+01 3.09E+01

4.28E+02 0.00E+00 6.53E+01 6.80E+00 4.86E+00 1.68E+01 2.06E+01 2.61E+01 3.08E+01

4.53E+02 0.00E+00 6.57E+01 6.43E+00 4.34E+00 1.55E+01 2.05E+01 2.60E+01 2.82E+01

4.79E+02 0.00E+00 6.60E+01 6.09E+00 3.97E+00 1.50E+01 2.06E+01 2.55E+01 2.83E+01

5.07E+02 0.00E+00 6.21E+01 5.74E+00 3.62E+00 1.37E+01 2.06E+01 2.49E+01 2.81E+01

5.36E+02 0.00E+00 4.92E+01 5.42E+00 3.28E+00 1.32E+01 1.97E+01 2.49E+01 2.81E+01

5.68E+02 0.00E+00 4.05E+01 5.13E+00 3.08E+00 1.30E+01 1.87E+01 2.35E+01 2.81E+01

0.01E+02 0.00E+00 4.08E+01 4.79E+00 2.76E+00 1.26E+01 1.85E+01 2.22E+01 2.72E+01

6.36E+02 0.00E+00 4.10E+01 4.49E+00 2.43E+00 1.18E+01 1.74E+01 2.22E+01 2.59E+01

6.73E+02 0.00E+00 4.11E+01 4.19E+00 2.09E+00 1.14E+01 1.65E+01 2.03E+01 2.51E+01

7.12E+02 0.00E+00 4.13E+01 3.84E+00 1.80E+00 1.03E+01 1.53E+01 1.87E+01 2.35E+01

7.53E+02 0.00E+00 4.14E+01 3.54E+00 1.57E+00 9.41E+00 1.39E+01 1.83E+01 2.23E+01

7.97E+02 0.00E+00 4.15E+01 3.27E+00 1.26E+00 8.97E+00 1.37E+01 1.76E+01 2.08E+01

8.44E+02 0.00E+00 4.16E+01 3.04E+00 1.09E+00 8.30E+00 1.33E+01 1.62E+01 1.94E+01

8.93E+02 0.00E+00 4.17E+01 2.77E+00 8.68E-01 8.01E+00 1.22E+01 1.52E+01 1.89E+01

9.45E+02 0.00E+00 4.17E+01 2.54E+00 7.39E-01 7.61E+00 1.11E+01 1.41E+01 1.89E+01

1.00E+03 0.00E+00 4.06E+01 2.31E+00 5.60E-01 6.83E+00 9.96E+00 1.37E+01 1.86E+01

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NF-237.RAD

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	7.394E+01		1.506E+01
2	7.824E+01		1.475E+01
3	6.987E+01		1.483E+01

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS NP-237.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	8 -0.07	8 -0.07	7 -0.15	7 -0.09
Contaminated zone b parameter	15 0.03	15 0.03	13 0.03	13 0.01
Evapotranspiration coefficient	4 -0.14	4 -0.13	6 -0.17	6 -0.10
Wind Speed	16 0.02	16 0.02	15 -0.02	15 -0.01
Runoff coefficient	5 -0.12	5 -0.11	5 -0.19	5 -0.11
Well pump intake depth	1 -0.29	1 -0.27	3 -0.40	3 -0.25
b Parameter of Unsaturated zone 1	6 0.10	6 0.09	18 0.00	18 0.00
Mass loading for inhalation	13 0.03	13 0.03	8 0.08	8 0.05
Indoor dust filtration factor	7 -0.08	7 -0.07	14 -0.02	14 -0.01
Depth of soil mixing layer	10 0.05	11 0.04	16 -0.02	16 -0.01
Depth of roots	2 -0.20	2 -0.19	1 -0.73	1 -0.62
Wet weight crop yield of fruit, grain and non-leafy vegetables	12 0.04	12 0.04	9 0.05	9 0.03
Weathering removal constant of all vegetation	17 0.01	17 0.01	11 -0.04	11 -0.02
Wet foliar interception fraction of leafy vegetables	11 0.05	10 0.04	17 0.01	17 0.01
Humidity in air	18 0.00	18 0.00	12 -0.03	12 -0.02
Kd of Np-237 in Contaminated Zone	3 -0.15	3 -0.14	4 -0.28	4 -0.17
Kd of Np-237 in Unsaturated Zone 1	14 -0.03	14 -0.03	10 0.05	10 0.03
Kd of Np-237 in Saturated Zone	9 -0.05	9 -0.05	2 -0.59	2 -0.42

R-SQUARE	0.18	0.18	0.67	0.67
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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 NP-237.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	-0.09	7	-0.08	5	-0.24	5	-0.14
Contaminated zone b parameter	15	0.02	15	0.01	17	-0.01	17	0.00
Evapotranspiration coefficient	4	-0.14	4	-0.13	6	-0.15	6	-0.09
Wind Speed	14	-0.02	14	-0.02	14	-0.03	14	-0.02
Runoff coefficient	9	-0.06	9	-0.05	8	-0.12	8	-0.07
Well pump intake depth	1	-0.28	1	-0.26	3	-0.41	3	-0.26
b Parameter of Unsaturated zone 1	6	0.09	6	0.08	13	0.03	13	0.02
Mass loading for inhalation	10	0.04	10	0.04	7	0.14	7	0.08
Indoor dust filtration factor	11	-0.04	11	-0.03	11	0.05	11	0.03
Depth of soil mixing layer	13	0.02	13	0.02	16	-0.01	16	-0.01
Depth of roots	2	-0.26	2	-0.24	1	-0.73	1	-0.61
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	10	0.07	10	0.04
Weathering removal constant of all vegetation	17	0.00	17	0.00	15	0.03	15	0.02
Wet foliar interception fraction of leafy vegetables	8	0.08	8	0.07	9	0.10	9	0.06
Humidity in air	12	0.03	12	0.03	12	-0.03	12	-0.02
Kd of Np-237 in Contaminated Zone	5	-0.13	5	-0.12	4	-0.28	4	-0.17
Kd of Np-237 in Unsaturated Zone 1	16	-0.01	16	-0.01	18	0.00	18	0.00
Kd of Np-237 in Saturated Zone	3	-0.18	3	-0.16	2	-0.59	2	-0.42
R-SQUARE		0.20		0.20		0.67		0.67

-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 NP-237.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	9	-0.07	9	-0.07	6	-0.18	6	-0.10
Contaminated zone b parameter	12	0.04	12	0.04	18	0.01	18	0.01
Evapotranspiration coefficient	4	-0.18	4	-0.17	5	-0.20	5	-0.11
Wind Speed	14	-0.01	14	-0.01	16	0.02	16	0.01
Runoff coefficient	13	-0.04	13	-0.03	10	-0.05	10	-0.03
Well pump intake depth	1	-0.28	1	-0.26	3	-0.41	3	-0.25
b Parameter of Unsaturated zone 1	17	0.01	17	0.00	7	0.09	7	0.05
Mass loading for inhalation	11	0.05	11	0.04	8	0.08	8	0.04
Indoor dust filtration factor	15	0.01	15	0.01	14	0.02	14	0.01
Depth of soil mixing layer	7	0.09	7	0.08	12	0.03	12	0.02
Depth of roots	2	-0.26	2	-0.24	1	-0.74	1	-0.62
Wet weight crop yield of fruit, grain and non-leafy vegetables	10	-0.06	10	-0.05	17	0.01	17	0.01
Weathering removal constant of all vegetation	8	-0.08	8	-0.07	9	-0.07	9	-0.04
Wet foliar interception fraction of leafy vegetables	16	-0.01	16	-0.01	13	0.03	13	0.01
Humidity in air	18	0.00	18	0.00	11	-0.03	11	-0.02
Kd of Np-237 in Contaminated Zone	6	-0.10	6	-0.09	4	-0.25	4	-0.15
Kd of Np-237 in Unsaturated Zone 1	5	0.14	5	0.13	15	0.02	15	0.01
Kd of Np-237 in Saturated Zone	3	-0.19	3	-0.17	2	-0.60	2	-0.42
R-SQUARE		0.21		0.21		0.69		0.69

-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.