

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CM-243.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
Cm-243										
Min	0.00E+00	4.70E-01	4.70E-01	4.49E-01	3.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	9.48E-01	9.48E-01	9.26E-01	8.82E-01	7.44E-01	4.58E-01	8.43E-02	1.77E-03	1.12E-03
Avg	0.00E+00	6.62E-01	6.62E-01	6.45E-01	6.13E-01	5.09E-01	3.05E-01	5.25E-02	6.69E-04	1.62E-04
Std	0.00E+00	1.65E-01	1.65E-01	1.61E-01	1.54E-01	1.41E-01	9.35E-02	1.83E-02	5.03E-04	2.73E-04
ALL										
Min	0.00E+00	4.70E-01	4.70E-01	4.49E-01	3.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	9.48E-01	9.48E-01	9.26E-01	8.82E-01	7.44E-01	4.58E-01	8.43E-02	1.77E-03	1.12E-03
Avg	0.00E+00	6.62E-01	6.62E-01	6.45E-01	6.13E-01	5.09E-01	3.05E-01	5.25E-02	6.69E-04	1.62E-04
Std	0.00E+00	1.65E-01	1.65E-01	1.61E-01	1.54E-01	1.41E-01	9.35E-02	1.83E-02	5.03E-04	2.73E-04

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/>									
CM-243									
Min		6.29E-06	6.13E-06	5.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.05E-06	6.88E-06	6.55E-06	5.53E-06	3.40E-06	6.21E-07	6.61E-09	1.69E-09
Avg		6.58E-06	6.42E-06	6.11E-06	5.10E-06	3.08E-06	5.49E-07	4.03E-09	2.63E-10
Std		2.46E-07	2.40E-07	2.30E-07	5.44E-07	5.02E-07	1.17E-07	2.15E-09	4.32E-10
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ALL									
Min		6.29E-06	6.13E-06	5.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.05E-06	6.88E-06	6.55E-06	5.53E-06	3.40E-06	6.21E-07	6.61E-09	1.69E-09
Avg		6.58E-06	6.42E-06	6.11E-06	5.10E-06	3.08E-06	5.49E-07	4.03E-09	2.63E-10
Std		2.46E-07	2.40E-07	2.30E-07	5.44E-07	5.02E-07	1.17E-07	2.15E-09	4.32E-10
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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/>								
Cm-243								
Min	2.75E-01	2.68E-01	2.55E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.75E-01	2.68E-01	2.56E-01	2.16E-01	1.33E-01	2.42E-02	1.91E-04	3.78E-06
Avg	2.75E-01	2.68E-01	2.55E-01	2.13E-01	1.29E-01	2.31E-02	1.48E-04	1.24E-06
Std	1.16E-06	3.41E-06	2.89E-05	2.18E-02	2.05E-02	4.84E-03	7.63E-05	1.71E-06
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ALL								
Min	2.75E-01	2.68E-01	2.55E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.75E-01	2.68E-01	2.56E-01	2.16E-01	1.33E-01	2.42E-02	1.91E-04	3.78E-06
Avg	2.75E-01	2.68E-01	2.55E-01	2.13E-01	1.29E-01	2.31E-02	1.48E-04	1.24E-06
Std	1.16E-06	3.41E-06	2.89E-05	2.18E-02	2.05E-02	4.84E-03	7.63E-05	1.71E-06
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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
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CM-243								
Min	1.16E-05	1.13E-05	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.56E-02	2.50E-02	2.38E-02	2.01E-02	1.24E-02	2.29E-03	5.90E-05	3.81E-05
Avg	4.13E-03	4.03E-03	3.84E-03	3.20E-03	1.94E-03	3.54E-04	7.07E-06	1.91E-06
Std	2.51E-03	2.45E-03	2.33E-03	1.98E-03	1.23E-03	2.31E-04	6.37E-06	3.53E-06
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ALL								
Min	1.16E-05	1.13E-05	1.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.56E-02	2.50E-02	2.38E-02	2.01E-02	1.24E-02	2.29E-03	5.90E-05	3.81E-05
Avg	4.13E-03	4.03E-03	3.84E-03	3.20E-03	1.94E-03	3.54E-04	7.07E-06	1.91E-06
Std	2.51E-03	2.45E-03	2.33E-03	1.98E-03	1.23E-03	2.31E-04	6.37E-06	3.53E-06
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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): 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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CM-243								
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/>								
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
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ALL 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
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Cm-243								
Min	1.52E-01	1.37E-01	8.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.08E-01	5.94E-01	5.65E-01	4.77E-01	2.94E-01	5.43E-02	1.43E-03	9.91E-04
Avg	3.42E-01	3.32E-01	3.14E-01	2.60E-01	1.54E-01	2.54E-02	4.31E-04	1.21E-04
Std	1.65E-01	1.61E-01	1.54E-01	1.33E-01	8.33E-02	1.56E-02	4.21E-04	2.34E-04
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ALL								
Min	1.52E-01	1.37E-01	8.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.08E-01	5.94E-01	5.65E-01	4.77E-01	2.94E-01	5.43E-02	1.43E-03	9.91E-04
Avg	3.42E-01	3.32E-01	3.14E-01	2.60E-01	1.54E-01	2.54E-02	4.31E-04	1.21E-04
Std	1.65E-01	1.61E-01	1.54E-01	1.33E-01	8.33E-02	1.56E-02	4.21E-04	2.34E-04
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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
Cm-243								
Min	4.69E-03	4.58E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.94E-03	4.82E-03	4.60E-03	3.88E-03	2.39E-03	4.55E-04	2.65E-05	2.25E-05
Avg	4.80E-03	4.68E-03	4.46E-03	3.72E-03	2.26E-03	4.21E-04	1.86E-05	5.95E-06
Std	8.89E-05	8.68E-05	8.36E-05	4.04E-04	3.70E-04	8.86E-05	1.03E-05	8.74E-06
ALL								
Min	4.69E-03	4.58E-03	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.94E-03	4.82E-03	4.60E-03	3.88E-03	2.39E-03	4.55E-04	2.65E-05	2.25E-05
Avg	4.80E-03	4.68E-03	4.46E-03	3.72E-03	2.26E-03	4.21E-04	1.86E-05	5.95E-06
Std	8.89E-05	8.68E-05	8.36E-05	4.04E-04	3.70E-04	8.86E-05	1.03E-05	8.74E-06

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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
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CM-243								
Min	1.60E-03	1.56E-03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.79E-03	1.75E-03	1.67E-03	1.41E-03	8.66E-04	1.59E-04	2.33E-06	1.08E-06
Avg	1.68E-03	1.64E-03	1.56E-03	1.30E-03	7.87E-04	1.41E-04	1.58E-06	2.74E-07
Std	6.91E-05	6.75E-05	6.48E-05	1.50E-04	1.32E-04	3.01E-05	8.78E-07	4.04E-07
ALL								
Min	1.60E-03	1.56E-03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.79E-03	1.75E-03	1.67E-03	1.41E-03	8.66E-04	1.59E-04	2.33E-06	1.08E-06
Avg	1.68E-03	1.64E-03	1.56E-03	1.30E-03	7.87E-04	1.41E-04	1.58E-06	2.74E-07
Std	6.91E-05	6.75E-05	6.48E-05	1.50E-04	1.32E-04	3.01E-05	8.78E-07	4.04E-07
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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
Cm-243								
Min	3.54E-02	3.45E-02	3.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.54E-02	3.45E-02	3.29E-02	2.78E-02	1.71E-02	3.16E-03	8.36E-05	5.82E-05
Avg	3.54E-02	3.45E-02	3.29E-02	2.74E-02	1.66E-02	3.03E-03	6.13E-05	1.59E-05
Std	1.50E-07	4.39E-07	6.07E-05	2.94E-03	2.70E-03	6.34E-04	3.39E-05	2.33E-05
ALL								
Min	3.54E-02	3.45E-02	3.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.54E-02	3.45E-02	3.29E-02	2.78E-02	1.71E-02	3.16E-03	8.36E-05	5.82E-05
Avg	3.54E-02	3.45E-02	3.29E-02	2.74E-02	1.66E-02	3.03E-03	6.13E-05	1.59E-05
Std	1.50E-07	4.39E-07	6.07E-05	2.94E-03	2.70E-03	6.34E-04	3.39E-05	2.33E-05

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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
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CM-243								
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	3.73E-13	6.66E-05	3.58E-04
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-15	1.68E-06	1.48E-05
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-14	4.83E-06	2.66E-05
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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	3.73E-13	6.66E-05	3.58E-04
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-15	1.68E-06	1.48E-05
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-14	4.83E-06	2.66E-05
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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
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-243								
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
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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 CM-243.RAD

Probabilistic Dose vs Pathway(i): Radon (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
CM-243								
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 CM-243.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
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CM-243								
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	3.54E-14	7.33E-06	4.51E-05
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-16	1.53E-07	1.35E-06
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-15	4.75E-07	2.81E-06
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	3.54E-14	7.33E-06	4.51E-05
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-16	1.53E-07	1.35E-06
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-15	4.75E-07	2.81E-06
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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 CM-243.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
CM-243								
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	1.34E-15	7.63E-08	4.27E-07
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-17	2.08E-09	1.82E-08
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-17	6.00E-09	3.26E-08
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	1.34E-15	7.63E-08	4.27E-07
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-17	2.08E-09	1.82E-08
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-17	6.00E-09	3.26E-08

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 CM-243.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
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CM-243								
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	1.23E-14	5.15E-09	3.03E-08
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-16	1.46E-10	1.27E-09
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-16	4.24E-10	2.29E-09
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	1.23E-14	5.15E-09	3.03E-08
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-16	1.46E-10	1.27E-09
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-16	4.24E-10	2.29E-09
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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 CM-243.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	4.76E-01	4.64E-01	4.40E-01	3.65E-01	7.30E-02	0.00E+00	0.00E+00	0.00E+00
0.050	4.79E-01	4.68E-01	4.44E-01	3.71E-01	2.23E-01	3.59E-02	4.86E-15	1.07E-13
0.075	4.84E-01	4.72E-01	4.47E-01	3.74E-01	2.27E-01	3.76E-02	8.21E-14	3.84E-13
0.100	4.88E-01	4.76E-01	4.51E-01	3.77E-01	2.29E-01	3.86E-02	2.54E-13	1.64E-12
0.125	4.93E-01	4.80E-01	4.55E-01	3.81E-01	2.30E-01	3.97E-02	2.00E-08	9.61E-08
0.150	4.97E-01	4.84E-01	4.59E-01	3.84E-01	2.33E-01	4.04E-02	8.22E-07	7.27E-07
0.175	5.02E-01	4.89E-01	4.64E-01	3.88E-01	2.35E-01	4.09E-02	2.73E-06	1.27E-06
0.200	5.06E-01	4.93E-01	4.68E-01	3.92E-01	2.37E-01	4.14E-02	2.30E-05	1.79E-06
0.225	5.11E-01	4.98E-01	4.72E-01	3.95E-01	2.40E-01	4.18E-02	2.20E-04	2.26E-06
0.250	5.17E-01	5.04E-01	4.78E-01	4.00E-01	2.42E-01	4.22E-02	3.38E-04	2.78E-06
0.275	5.23E-01	5.10E-01	4.83E-01	4.05E-01	2.44E-01	4.26E-02	4.05E-04	3.27E-06
0.300	5.29E-01	5.16E-01	4.90E-01	4.09E-01	2.48E-01	4.32E-02	4.49E-04	3.94E-06
0.325	5.37E-01	5.23E-01	4.95E-01	4.14E-01	2.51E-01	4.37E-02	4.81E-04	4.43E-06
0.350	5.45E-01	5.30E-01	5.03E-01	4.20E-01	2.54E-01	4.43E-02	5.04E-04	5.20E-06
0.375	5.51E-01	5.37E-01	5.10E-01	4.26E-01	2.57E-01	4.49E-02	5.29E-04	6.22E-06
0.400	5.61E-01	5.46E-01	5.17E-01	4.32E-01	2.62E-01	4.54E-02	5.52E-04	7.11E-06
0.425	5.70E-01	5.55E-01	5.26E-01	4.40E-01	2.66E-01	4.60E-02	5.75E-04	8.30E-06
0.450	5.80E-01	5.65E-01	5.35E-01	4.48E-01	2.71E-01	4.67E-02	5.90E-04	9.44E-06
0.475	5.91E-01	5.75E-01	5.44E-01	4.55E-01	2.74E-01	4.74E-02	6.12E-04	1.12E-05
0.500	6.01E-01	5.85E-01	5.55E-01	4.63E-01	2.79E-01	4.82E-02	6.35E-04	1.27E-05
0.525	6.14E-01	5.97E-01	5.67E-01	4.72E-01	2.85E-01	4.91E-02	6.56E-04	1.48E-05
0.550	6.28E-01	6.10E-01	5.80E-01	4.87E-01	2.92E-01	5.00E-02	6.76E-04	1.77E-05
0.575	6.44E-01	6.27E-01	5.95E-01	4.98E-01	3.00E-01	5.10E-02	7.06E-04	2.11E-05
0.600	6.61E-01	6.43E-01	6.11E-01	5.11E-01	3.08E-01	5.25E-02	7.28E-04	2.85E-05
0.625	6.79E-01	6.61E-01	6.29E-01	5.24E-01	3.15E-01	5.42E-02	7.57E-04	3.78E-05
0.650	7.00E-01	6.82E-01	6.48E-01	5.42E-01	3.26E-01	5.58E-02	7.78E-04	5.41E-05
0.675	7.23E-01	7.03E-01	6.68E-01	5.60E-01	3.37E-01	5.73E-02	7.99E-04	8.72E-05
0.700	7.50E-01	7.30E-01	6.92E-01	5.79E-01	3.49E-01	5.89E-02	8.36E-04	1.36E-04
0.725	7.80E-01	7.60E-01	7.22E-01	6.02E-01	3.62E-01	6.12E-02	8.69E-04	1.70E-04
0.750	8.17E-01	7.97E-01	7.58E-01	6.26E-01	3.75E-01	6.29E-02	9.09E-04	2.28E-04
0.775	8.57E-01	8.36E-01	7.93E-01	6.64E-01	3.94E-01	6.61E-02	9.62E-04	3.06E-04
0.800	9.03E-01	8.78E-01	8.36E-01	6.98E-01	4.14E-01	6.91E-02	1.03E-03	3.59E-04
0.825	9.24E-01	9.02E-01	8.59E-01	7.24E-01	4.39E-01	7.41E-02	1.12E-03	3.91E-04
0.850	9.25E-01	9.03E-01	8.60E-01	7.25E-01	4.46E-01	7.93E-02	1.20E-03	4.29E-04
0.875	9.26E-01	9.03E-01	8.60E-01	7.26E-01	4.47E-01	8.21E-02	1.32E-03	4.80E-04
0.900	9.26E-01	9.04E-01	8.61E-01	7.26E-01	4.47E-01	8.22E-02	1.53E-03	5.52E-04
0.925	9.27E-01	9.05E-01	8.62E-01	7.27E-01	4.47E-01	8.23E-02	1.68E-03	6.74E-04
0.950	9.28E-01	9.06E-01	8.63E-01	7.28E-01	4.48E-01	8.24E-02	1.71E-03	8.94E-04
0.975	9.30E-01	9.07E-01	8.64E-01	7.29E-01	4.48E-01	8.26E-02	1.72E-03	1.00E-03
1.000	9.48E-01	9.26E-01	8.82E-01	7.44E-01	4.58E-01	8.43E-02	1.77E-03	1.12E-03

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CM-243.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	4.70E-01	9.35E-01	6.62E-01	6.00E-01	9.26E-01	9.28E-01	9.29E-01	9.31E-01
1.00E+00	4.58E-01	9.12E-01	6.45E-01	5.83E-01	9.04E-01	9.06E-01	9.07E-01	9.09E-01
1.06E+00	4.58E-01	9.11E-01	6.44E-01	5.82E-01	9.02E-01	9.04E-01	9.05E-01	9.08E-01
1.12E+00	4.57E-01	9.09E-01	6.43E-01	5.81E-01	9.01E-01	9.03E-01	9.04E-01	9.06E-01
1.19E+00	4.56E-01	9.08E-01	6.42E-01	5.80E-01	9.00E-01	9.02E-01	9.03E-01	9.05E-01
1.25E+00	4.55E-01	9.06E-01	6.41E-01	5.79E-01	8.98E-01	9.00E-01	9.01E-01	9.03E-01
1.33E+00	4.55E-01	9.05E-01	6.40E-01	5.78E-01	8.97E-01	8.98E-01	8.99E-01	9.02E-01
1.40E+00	4.54E-01	9.03E-01	6.39E-01	5.77E-01	8.95E-01	8.97E-01	8.98E-01	9.00E-01
1.49E+00	4.53E-01	9.01E-01	6.37E-01	5.76E-01	8.93E-01	8.95E-01	8.96E-01	8.98E-01
1.57E+00	4.52E-01	9.00E-01	6.36E-01	5.75E-01	8.91E-01	8.93E-01	8.94E-01	8.96E-01
1.66E+00	4.51E-01	8.98E-01	6.34E-01	5.73E-01	8.89E-01	8.91E-01	8.92E-01	8.95E-01
1.76E+00	4.50E-01	8.95E-01	6.33E-01	5.72E-01	8.87E-01	8.89E-01	8.90E-01	8.92E-01
1.86E+00	4.48E-01	8.93E-01	6.31E-01	5.70E-01	8.85E-01	8.87E-01	8.88E-01	8.90E-01
1.97E+00	4.47E-01	8.91E-01	6.29E-01	5.69E-01	8.83E-01	8.84E-01	8.85E-01	8.88E-01
2.09E+00	4.46E-01	8.88E-01	6.27E-01	5.67E-01	8.80E-01	8.82E-01	8.83E-01	8.85E-01
2.21E+00	4.43E-01	8.86E-01	6.25E-01	5.65E-01	8.78E-01	8.79E-01	8.80E-01	8.83E-01
2.34E+00	4.39E-01	8.83E-01	6.23E-01	5.64E-01	8.75E-01	8.76E-01	8.78E-01	8.80E-01
2.47E+00	4.34E-01	8.80E-01	6.21E-01	5.62E-01	8.72E-01	8.74E-01	8.75E-01	8.77E-01
2.62E+00	4.29E-01	8.77E-01	6.19E-01	5.60E-01	8.69E-01	8.71E-01	8.72E-01	8.74E-01
2.77E+00	4.20E-01	8.74E-01	6.16E-01	5.58E-01	8.66E-01	8.67E-01	8.68E-01	8.71E-01
2.93E+00	4.10E-01	8.70E-01	6.14E-01	5.55E-01	8.62E-01	8.64E-01	8.65E-01	8.67E-01
3.00E+00	4.06E-01	8.69E-01	6.13E-01	5.54E-01	8.61E-01	8.63E-01	8.64E-01	8.66E-01
3.10E+00	4.00E-01	8.67E-01	6.11E-01	5.53E-01	8.59E-01	8.60E-01	8.61E-01	8.64E-01
3.28E+00	3.89E-01	8.63E-01	6.08E-01	5.51E-01	8.55E-01	8.57E-01	8.58E-01	8.60E-01
3.48E+00	3.78E-01	8.59E-01	6.05E-01	5.48E-01	8.51E-01	8.53E-01	8.54E-01	8.56E-01
3.68E+00	3.64E-01	8.55E-01	6.02E-01	5.45E-01	8.47E-01	8.48E-01	8.49E-01	8.52E-01
3.89E+00	3.47E-01	8.50E-01	5.99E-01	5.42E-01	8.42E-01	8.44E-01	8.45E-01	8.47E-01
4.12E+00	3.26E-01	8.46E-01	5.95E-01	5.39E-01	8.38E-01	8.39E-01	8.40E-01	8.43E-01
4.36E+00	2.95E-01	8.41E-01	5.92E-01	5.36E-01	8.33E-01	8.35E-01	8.36E-01	8.38E-01
4.61E+00	2.45E-01	8.35E-01	5.88E-01	5.32E-01	8.28E-01	8.29E-01	8.30E-01	8.33E-01
4.88E+00	1.62E-01	8.30E-01	5.83E-01	5.29E-01	8.22E-01	8.24E-01	8.25E-01	8.27E-01
5.17E+00	8.37E-02	8.24E-01	5.79E-01	5.25E-01	8.17E-01	8.18E-01	8.19E-01	8.22E-01
5.47E+00	2.03E-02	8.18E-01	5.74E-01	5.21E-01	8.11E-01	8.12E-01	8.13E-01	8.16E-01
5.78E+00	7.73E-07	8.12E-01	5.69E-01	5.17E-01	8.04E-01	8.06E-01	8.07E-01	8.09E-01
6.12E+00	0.00E+00	8.05E-01	5.64E-01	5.13E-01	7.98E-01	8.00E-01	8.01E-01	8.03E-01
6.48E+00	0.00E+00	7.98E-01	5.59E-01	5.08E-01	7.91E-01	7.93E-01	7.94E-01	7.96E-01
6.86E+00	0.00E+00	7.91E-01	5.53E-01	5.03E-01	7.84E-01	7.85E-01	7.86E-01	7.89E-01
7.26E+00	0.00E+00	7.84E-01	5.47E-01	4.98E-01	7.76E-01	7.78E-01	7.79E-01	7.81E-01
7.68E+00	0.00E+00	7.76E-01	5.41E-01	4.92E-01	7.68E-01	7.70E-01	7.71E-01	7.73E-01
8.13E+00	0.00E+00	7.67E-01	5.35E-01	4.87E-01	7.60E-01	7.62E-01	7.62E-01	7.65E-01
8.60E+00	0.00E+00	7.58E-01	5.28E-01	4.80E-01	7.51E-01	7.53E-01	7.54E-01	7.56E-01
9.10E+00	0.00E+00	7.49E-01	5.21E-01	4.74E-01	7.42E-01	7.44E-01	7.45E-01	7.47E-01
9.63E+00	0.00E+00	7.40E-01	5.14E-01	4.68E-01	7.33E-01	7.34E-01	7.35E-01	7.37E-01
1.00E+01	0.00E+00	7.33E-01	5.09E-01	4.63E-01	7.26E-01	7.28E-01	7.29E-01	7.31E-01
1.02E+01	0.00E+00	7.30E-01	5.07E-01	4.61E-01	7.23E-01	7.24E-01	7.25E-01	7.27E-01
1.08E+01	0.00E+00	7.19E-01	4.99E-01	4.54E-01	7.12E-01	7.14E-01	7.15E-01	7.17E-01
1.14E+01	0.00E+00	7.08E-01	4.91E-01	4.46E-01	7.02E-01	7.03E-01	7.04E-01	7.06E-01
1.21E+01	0.00E+00	6.97E-01	4.82E-01	4.39E-01	6.90E-01	6.92E-01	6.93E-01	6.95E-01
1.28E+01	0.00E+00	6.85E-01	4.74E-01	4.30E-01	6.79E-01	6.80E-01	6.81E-01	6.83E-01
1.35E+01	0.00E+00	6.73E-01	4.65E-01	4.22E-01	6.67E-01	6.68E-01	6.69E-01	6.71E-01
1.43E+01	0.00E+00	6.60E-01	4.55E-01	4.14E-01	6.54E-01	6.55E-01	6.56E-01	6.58E-01
1.51E+01	0.00E+00	6.47E-01	4.46E-01	4.05E-01	6.41E-01	6.42E-01	6.43E-01	6.45E-01
1.60E+01	0.00E+00	6.33E-01	4.36E-01	3.96E-01	6.27E-01	6.29E-01	6.29E-01	6.31E-01
1.70E+01	0.00E+00	6.19E-01	4.25E-01	3.87E-01	6.13E-01	6.14E-01	6.15E-01	6.17E-01
1.80E+01	0.00E+00	6.04E-01	4.15E-01	3.77E-01	5.99E-01	6.00E-01	6.01E-01	6.02E-01
1.90E+01	0.00E+00	5.89E-01	4.04E-01	3.67E-01	5.84E-01	5.85E-01	5.86E-01	5.87E-01

2.01E+01 0.00E+00 5.74E-01 3.93E-01 3.57E-01 5.68E-01 5.69E-01 5.70E-01 5.72E-01

2.13E+01 0.00E+00 5.57E-01 3.81E-01 3.47E-01 5.52E-01 5.53E-01 5.54E-01 5.56E-01

2.25E+01 0.00E+00 5.41E-01 3.70E-01 3.36E-01 5.36E-01 5.37E-01 5.38E-01 5.39E-01

2.38E+01 0.00E+00 5.24E-01 3.57E-01 3.25E-01 5.19E-01 5.20E-01 5.21E-01 5.22E-01

2.52E+01 0.00E+00 5.07E-01 3.45E-01 3.14E-01 5.02E-01 5.03E-01 5.03E-01 5.05E-01



2.67E+01 0.00E+00 4.89E-01 3.33E-01 3.03E-01 4.84E-01 4.85E-01 4.86E-01 4.87E-01

2.82E+01 0.00E+00 4.71E-01 3.20E-01 2.91E-01 4.66E-01 4.67E-01 4.68E-01 4.69E-01

2.99E+01 0.00E+00 4.52E-01 3.07E-01 2.80E-01 4.48E-01 4.49E-01 4.49E-01 4.51E-01

3.00E+01 0.00E+00 4.51E-01 3.06E-01 2.79E-01 4.47E-01 4.48E-01 4.48E-01 4.50E-01

3.16E+01 0.00E+00 4.34E-01 2.93E-01 2.68E-01 4.29E-01 4.30E-01 4.31E-01 4.32E-01

3.35E+01 0.00E+00 4.15E-01 2.80E-01 2.56E-01 4.11E-01 4.12E-01 4.12E-01 4.13E-01

3.54E+01 0.00E+00 3.96E-01 2.66E-01 2.44E-01 3.92E-01 3.93E-01 3.93E-01 3.94E-01

3.75E+01 0.00E+00 3.76E-01 2.53E-01 2.32E-01 3.73E-01 3.73E-01 3.74E-01 3.75E-01



3.97E+01 0.00E+00 3.57E-01 2.39E-01 2.19E-01 3.53E-01 3.54E-01 3.55E-01 3.56E-01

4.20E+01 0.00E+00 3.37E-01 2.26E-01 2.06E-01 3.34E-01 3.35E-01 3.35E-01 3.36E-01

4.44E+01 0.00E+00 3.18E-01 2.12E-01 1.94E-01 3.15E-01 3.16E-01 3.16E-01 3.17E-01

4.70E+01 0.00E+00 2.99E-01 1.99E-01 1.82E-01 2.96E-01 2.96E-01 2.97E-01 2.98E-01

4.97E+01 0.00E+00 2.79E-01 1.85E-01 1.71E-01 2.77E-01 2.77E-01 2.78E-01 2.78E-01

5.26E+01 0.00E+00 2.61E-01 1.72E-01 1.58E-01 2.58E-01 2.59E-01 2.59E-01 2.60E-01

5.57E+01 0.00E+00 2.42E-01 1.60E-01 1.47E-01 2.39E-01 2.40E-01 2.40E-01 2.41E-01

5.90E+01 0.00E+00 2.24E-01 1.47E-01 1.35E-01 2.21E-01 2.22E-01 2.22E-01 2.23E-01



6.24E+01 0.00E+00 2.06E-01 1.35E-01 1.24E-01 2.04E-01 2.04E-01 2.04E-01 2.05E-01

1.60E+01 0.00E+00 1.88E-01 1.23E-01 1.13E-01 1.87E-01 1.87E-01 1.87E-01 1.88E-01

99E+01 0.00E+00 1.72E-01 1.12E-01 1.03E-01 1.70E-01 1.70E-01 1.71E-01 1.71E-01

7.39E+01 0.00E+00 1.56E-01 1.01E-01 9.29E-02 1.54E-01 1.54E-01 1.55E-01 1.55E-01

7.82E+01 0.00E+00 1.40E-01 9.05E-02 8.33E-02 1.39E-01 1.39E-01 1.39E-01 1.40E-01

8.28E+01 0.00E+00 1.26E-01 8.07E-02 7.42E-02 1.24E-01 1.25E-01 1.25E-01 1.25E-01

8.76E+01 0.00E+00 1.12E-01 7.15E-02 6.58E-02 1.11E-01 1.11E-01 1.11E-01 1.11E-01

9.27E+01 0.00E+00 9.90E-02 6.29E-02 5.78E-02 9.79E-02 9.81E-02 9.83E-02 9.86E-02



9.81E+01 0.00E+00 8.69E-02 5.49E-02 5.04E-02 8.60E-02 8.62E-02 8.63E-02 8.66E-02

1.00E+02 0.00E+00 8.31E-02 5.24E-02 4.81E-02 8.22E-02 8.24E-02 8.25E-02 8.28E-02

1.04E+02 0.00E+00 7.58E-02 4.76E-02 4.36E-02 7.50E-02 7.51E-02 7.53E-02 7.55E-02

1.10E+02 0.00E+00 6.56E-02 4.10E-02 3.75E-02 6.49E-02 6.50E-02 6.51E-02 6.53E-02

1.16E+02 0.00E+00 5.63E-02 3.49E-02 3.20E-02 5.57E-02 5.58E-02 5.59E-02 5.60E-02

1.23E+02 0.00E+00 4.79E-02 2.95E-02 2.71E-02 4.74E-02 4.75E-02 4.76E-02 4.77E-02

1.30E+02 0.00E+00 4.04E-02 2.47E-02 2.28E-02 3.99E-02 4.01E-02 4.01E-02 4.02E-02

1.38E+02 0.00E+00 3.37E-02 2.05E-02 1.88E-02 3.34E-02 3.35E-02 3.35E-02 3.36E-02



1.46E+02 0.00E+00 2.79E-02 1.68E-02 1.54E-02 2.76E-02 2.77E-02 2.78E-02 2.79E-02

1.54E+02 0.00E+00 2.29E-02 1.36E-02 1.25E-02 2.27E-02 2.28E-02 2.28E-02 2.29E-02

1.63E+02 0.00E+00 1.86E-02 1.09E-02 1.01E-02 1.84E-02 1.85E-02 1.85E-02 1.86E-02

1.73E+02 0.00E+00 1.50E-02 8.68E-03 8.00E-03 1.48E-02 1.49E-02 1.49E-02 1.50E-02

1.83E+02 0.00E+00 1.20E-02 6.80E-03 6.27E-03 1.15E-02 1.19E-02 1.19E-02 1.20E-02

1.94E+02 0.00E+00 9.50E-03 5.27E-03 4.86E-03 9.06E-03 9.44E-03 9.46E-03 9.48E-03

2.05E+02 0.00E+00 7.49E-03 4.02E-03 3.77E-03 7.10E-03 7.44E-03 7.45E-03 7.47E-03

2.17E+02 0.00E+00 5.88E-03 3.04E-03 2.89E-03 5.53E-03 5.83E-03 5.85E-03 5.87E-03



2.29E+02 0.00E+00 4.62E-03 2.29E-03 2.19E-03 4.27E-03 4.58E-03 4.59E-03 4.60E-03

2.43E+02 0.00E+00 3.65E-03 1.73E-03 1.66E-03 3.32E-03 3.60E-03 3.63E-03 3.63E-03

2.57E+02 0.00E+00 2.91E-03 1.31E-03 1.27E-03 2.61E-03 2.87E-03 2.89E-03 2.90E-03

2.72E+02 0.00E+00 2.36E-03 1.00E-03 9.66E-04 2.10E-03 2.32E-03 2.34E-03 2.35E-03

2.88E+02 0.00E+00 1.96E-03 7.84E-04 7.54E-04 1.70E-03 1.92E-03 1.94E-03 1.95E-03

3.00E+02 0.00E+00 1.74E-03 6.65E-04 6.33E-04 1.48E-03 1.70E-03 1.72E-03 1.73E-03

3.05E+02 0.00E+00 1.68E-03 6.29E-04 5.98E-04 1.42E-03 1.63E-03 1.66E-03 1.67E-03

3.22E+02 0.00E+00 1.48E-03 5.21E-04 4.91E-04 1.20E-03 1.43E-03 1.46E-03 1.47E-03



3.41E+02 0.00E+00 1.34E-03 4.45E-04 4.14E-04 1.07E-03 1.30E-03 1.32E-03 1.33E-03

3.61E+02 0.00E+00 1.25E-03 3.93E-04 3.55E-04 9.83E-04 1.20E-03 1.23E-03 1.24E-03

3.82E+02 0.00E+00 1.19E-03 3.56E-04 3.16E-04 9.05E-04 1.15E-03 1.17E-03 1.19E-03

4.04E+02 0.00E+00 1.16E-03 3.29E-04 2.86E-04 8.57E-04 1.11E-03 1.13E-03 1.15E-03

4.28E+02 0.00E+00 1.13E-03 3.09E-04 2.63E-04 8.23E-04 1.08E-03 1.11E-03 1.13E-03

4.53E+02 0.00E+00 1.12E-03 2.94E-04 2.42E-04 8.11E-04 1.05E-03 1.09E-03 1.11E-03

4.79E+02 0.00E+00 1.11E-03 2.80E-04 2.24E-04 7.83E-04 1.04E-03 1.08E-03 1.10E-03

5.07E+02 0.00E+00 1.11E-03 2.68E-04 2.05E-04 7.48E-04 1.03E-03 1.08E-03 1.10E-03



5.36E+02 0.00E+00 1.10E-03 2.58E-04 1.80E-04 7.38E-04 1.02E-03 1.07E-03 1.09E-03

5.68E+02 0.00E+00 1.10E-03 2.47E-04 1.56E-04 7.29E-04 1.01E-03 1.06E-03 1.09E-03

0.01E+02 0.00E+00 1.10E-03 2.37E-04 1.23E-04 7.21E-04 1.00E-03 1.06E-03 1.09E-03

6.36E+02 0.00E+00 1.09E-03 2.28E-04 6.63E-05 6.96E-04 9.86E-04 1.06E-03 1.08E-03

6.73E+02 0.00E+00 1.09E-03 2.19E-04 4.31E-05 6.93E-04 9.78E-04 1.05E-03 1.08E-03

7.12E+02 0.00E+00 1.09E-03 2.11E-04 3.04E-05 6.79E-04 9.61E-04 1.05E-03 1.08E-03

7.53E+02 0.00E+00 1.09E-03 2.02E-04 2.52E-05 6.70E-04 9.44E-04 1.04E-03 1.08E-03

7.97E+02 0.00E+00 1.09E-03 1.94E-04 1.94E-05 6.61E-04 9.36E-04 1.04E-03 1.07E-03



8.44E+02 0.00E+00 1.09E-03 1.86E-04 1.60E-05 6.57E-04 9.26E-04 1.03E-03 1.07E-03

93E+02 0.00E+00 1.10E-03 1.79E-04 1.48E-05 6.32E-04 9.06E-04 1.03E-03 1.07E-03

9.45E+02 0.00E+00 1.10E-03 1.72E-04 1.41E-05 6.11E-04 9.06E-04 1.02E-03 1.07E-03

1.00E+03 0.00E+00 1.10E-03 1.65E-04 1.27E-05 6.10E-04 8.98E-04 1.02E-03 1.07E-03

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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	4.71E-01	9.48E-01	6.62E-01	6.01E-01	9.26E-01	9.28E-01	9.30E-01	9.31E-01
1.00E+00	4.60E-01	9.26E-01	6.45E-01	5.85E-01	9.04E-01	9.06E-01	9.07E-01	9.09E-01
1.06E+00	4.59E-01	9.24E-01	6.44E-01	5.84E-01	9.03E-01	9.05E-01	9.06E-01	9.08E-01
1.12E+00	4.58E-01	9.23E-01	6.43E-01	5.83E-01	9.02E-01	9.03E-01	9.05E-01	9.06E-01
1.19E+00	4.57E-01	9.21E-01	6.42E-01	5.82E-01	9.00E-01	9.02E-01	9.03E-01	9.05E-01
1.25E+00	4.57E-01	9.20E-01	6.41E-01	5.81E-01	8.99E-01	9.00E-01	9.02E-01	9.03E-01
1.33E+00	4.56E-01	9.18E-01	6.40E-01	5.79E-01	8.97E-01	8.99E-01	9.00E-01	9.02E-01
1.40E+00	4.55E-01	9.17E-01	6.38E-01	5.78E-01	8.95E-01	8.97E-01	8.98E-01	9.00E-01
1.49E+00	4.54E-01	9.15E-01	6.37E-01	5.77E-01	8.94E-01	8.95E-01	8.97E-01	8.98E-01
1.57E+00	4.53E-01	9.13E-01	6.36E-01	5.76E-01	8.92E-01	8.94E-01	8.95E-01	8.96E-01
1.66E+00	4.52E-01	9.11E-01	6.34E-01	5.74E-01	8.90E-01	8.92E-01	8.93E-01	8.94E-01
1.76E+00	4.48E-01	9.09E-01	6.33E-01	5.73E-01	8.88E-01	8.89E-01	8.91E-01	8.92E-01
1.86E+00	4.42E-01	9.06E-01	6.31E-01	5.72E-01	8.85E-01	8.87E-01	8.88E-01	8.90E-01
1.97E+00	4.36E-01	9.04E-01	6.29E-01	5.70E-01	8.83E-01	8.85E-01	8.86E-01	8.88E-01
2.09E+00	4.29E-01	9.02E-01	6.27E-01	5.68E-01	8.81E-01	8.82E-01	8.84E-01	8.85E-01
2.21E+00	4.23E-01	8.99E-01	6.25E-01	5.66E-01	8.78E-01	8.80E-01	8.81E-01	8.82E-01
2.34E+00	4.16E-01	8.96E-01	6.23E-01	5.65E-01	8.75E-01	8.77E-01	8.78E-01	8.80E-01
2.47E+00	4.08E-01	8.93E-01	6.21E-01	5.63E-01	8.72E-01	8.74E-01	8.75E-01	8.77E-01
2.62E+00	4.00E-01	8.90E-01	6.19E-01	5.61E-01	8.69E-01	8.71E-01	8.72E-01	8.74E-01
2.77E+00	3.91E-01	8.87E-01	6.16E-01	5.58E-01	8.66E-01	8.68E-01	8.69E-01	8.71E-01
2.93E+00	3.81E-01	8.83E-01	6.14E-01	5.56E-01	8.63E-01	8.64E-01	8.66E-01	8.67E-01
3.00E+00	3.77E-01	8.82E-01	6.12E-01	5.55E-01	8.61E-01	8.63E-01	8.64E-01	8.66E-01
3.10E+00	3.70E-01	8.80E-01	6.11E-01	5.54E-01	8.59E-01	8.61E-01	8.62E-01	8.64E-01
3.28E+00	3.57E-01	8.76E-01	6.08E-01	5.51E-01	8.55E-01	8.57E-01	8.58E-01	8.60E-01
3.48E+00	3.42E-01	8.72E-01	6.05E-01	5.48E-01	8.51E-01	8.53E-01	8.54E-01	8.56E-01
3.68E+00	3.24E-01	8.67E-01	6.02E-01	5.45E-01	8.47E-01	8.49E-01	8.50E-01	8.52E-01
3.89E+00	3.01E-01	8.63E-01	5.98E-01	5.42E-01	8.43E-01	8.45E-01	8.46E-01	8.47E-01
4.12E+00	2.68E-01	8.58E-01	5.95E-01	5.38E-01	8.38E-01	8.40E-01	8.41E-01	8.42E-01
4.36E+00	2.06E-01	8.53E-01	5.91E-01	5.34E-01	8.33E-01	8.35E-01	8.36E-01	8.38E-01
4.61E+00	1.31E-01	8.48E-01	5.87E-01	5.31E-01	8.28E-01	8.30E-01	8.31E-01	8.32E-01
4.88E+00	6.19E-02	8.42E-01	5.83E-01	5.27E-01	8.23E-01	8.25E-01	8.26E-01	8.27E-01
5.17E+00	9.83E-03	8.37E-01	5.78E-01	5.22E-01	8.17E-01	8.19E-01	8.20E-01	8.21E-01
5.47E+00	3.07E-07	8.30E-01	5.73E-01	5.18E-01	8.11E-01	8.13E-01	8.14E-01	8.15E-01
5.78E+00	0.00E+00	8.24E-01	5.68E-01	5.14E-01	8.05E-01	8.07E-01	8.08E-01	8.09E-01
6.12E+00	0.00E+00	8.17E-01	5.63E-01	5.09E-01	7.98E-01	8.00E-01	8.01E-01	8.02E-01
6.48E+00	0.00E+00	8.10E-01	5.58E-01	5.05E-01	7.91E-01	7.93E-01	7.94E-01	7.96E-01
6.86E+00	0.00E+00	8.03E-01	5.52E-01	5.00E-01	7.84E-01	7.86E-01	7.87E-01	7.88E-01
7.26E+00	0.00E+00	7.95E-01	5.47E-01	4.95E-01	7.77E-01	7.78E-01	7.79E-01	7.81E-01
7.68E+00	0.00E+00	7.87E-01	5.40E-01	4.89E-01	7.69E-01	7.70E-01	7.71E-01	7.73E-01
8.13E+00	0.00E+00	7.79E-01	5.34E-01	4.84E-01	7.60E-01	7.62E-01	7.63E-01	7.64E-01
8.60E+00	0.00E+00	7.70E-01	5.28E-01	4.78E-01	7.52E-01	7.53E-01	7.54E-01	7.56E-01
9.10E+00	0.00E+00	7.60E-01	5.21E-01	4.72E-01	7.43E-01	7.44E-01	7.45E-01	7.46E-01
9.63E+00	0.00E+00	7.51E-01	5.14E-01	4.65E-01	7.33E-01	7.35E-01	7.36E-01	7.37E-01
1.00E+01	0.00E+00	7.44E-01	5.09E-01	4.61E-01	7.27E-01	7.28E-01	7.29E-01	7.30E-01
1.02E+01	0.00E+00	7.40E-01	5.06E-01	4.59E-01	7.23E-01	7.25E-01	7.26E-01	7.27E-01
1.08E+01	0.00E+00	7.30E-01	4.98E-01	4.52E-01	7.13E-01	7.14E-01	7.15E-01	7.17E-01
1.14E+01	0.00E+00	7.19E-01	4.90E-01	4.45E-01	7.02E-01	7.04E-01	7.04E-01	7.06E-01
1.21E+01	0.00E+00	7.07E-01	4.82E-01	4.38E-01	6.91E-01	6.92E-01	6.93E-01	6.94E-01
1.28E+01	0.00E+00	6.95E-01	4.74E-01	4.30E-01	6.79E-01	6.81E-01	6.81E-01	6.83E-01
1.35E+01	0.00E+00	6.83E-01	4.64E-01	4.22E-01	6.67E-01	6.68E-01	6.69E-01	6.70E-01
1.43E+01	0.00E+00	6.70E-01	4.55E-01	4.13E-01	6.54E-01	6.56E-01	6.57E-01	6.58E-01
1.51E+01	0.00E+00	6.56E-01	4.45E-01	4.04E-01	6.41E-01	6.43E-01	6.43E-01	6.44E-01
1.60E+01	0.00E+00	6.43E-01	4.35E-01	3.96E-01	6.28E-01	6.29E-01	6.30E-01	6.31E-01
1.70E+01	0.00E+00	6.28E-01	4.25E-01	3.87E-01	6.13E-01	6.15E-01	6.16E-01	6.17E-01
1.80E+01	0.00E+00	6.13E-01	4.14E-01	3.77E-01	5.99E-01	6.00E-01	6.01E-01	6.02E-01
1.90E+01	0.00E+00	5.98E-01	4.03E-01	3.67E-01	5.84E-01	5.85E-01	5.86E-01	5.87E-01

2.01E+01 0.00E+00 5.82E-01 3.92E-01 3.57E-01 5.68E-01 5.70E-01 5.70E-01 5.71E-01



2.13E+01 0.00E+00 5.66E-01 3.81E-01 3.47E-01 5.52E-01 5.54E-01 5.54E-01 5.55E-01

2.25E+01 0.00E+00 5.49E-01 3.69E-01 3.37E-01 5.36E-01 5.37E-01 5.38E-01 5.39E-01

2.38E+01 0.00E+00 5.32E-01 3.57E-01 3.26E-01 5.19E-01 5.21E-01 5.21E-01 5.22E-01

2.52E+01 0.00E+00 5.14E-01 3.44E-01 3.15E-01 5.02E-01 5.03E-01 5.04E-01 5.05E-01

2.67E+01 0.00E+00 4.96E-01 3.32E-01 3.04E-01 4.85E-01 4.86E-01 4.86E-01 4.87E-01

2.82E+01 0.00E+00 4.78E-01 3.19E-01 2.92E-01 4.67E-01 4.68E-01 4.68E-01 4.69E-01

2.99E+01 0.00E+00 4.59E-01 3.06E-01 2.80E-01 4.48E-01 4.49E-01 4.50E-01 4.51E-01

3.00E+01 0.00E+00 4.58E-01 3.05E-01 2.79E-01 4.47E-01 4.48E-01 4.49E-01 4.49E-01



3.16E+01 0.00E+00 4.40E-01 2.93E-01 2.68E-01 4.30E-01 4.31E-01 4.31E-01 4.32E-01

3.35E+01 0.00E+00 4.21E-01 2.80E-01 2.56E-01 4.11E-01 4.12E-01 4.12E-01 4.13E-01

3.54E+01 0.00E+00 4.01E-01 2.66E-01 2.44E-01 3.92E-01 3.93E-01 3.93E-01 3.94E-01

3.75E+01 0.00E+00 3.82E-01 2.53E-01 2.32E-01 3.73E-01 3.74E-01 3.74E-01 3.75E-01

3.97E+01 0.00E+00 3.62E-01 2.39E-01 2.19E-01 3.54E-01 3.54E-01 3.55E-01 3.55E-01

4.20E+01 0.00E+00 3.42E-01 2.25E-01 2.07E-01 3.34E-01 3.35E-01 3.36E-01 3.36E-01

4.44E+01 0.00E+00 3.23E-01 2.12E-01 1.95E-01 3.15E-01 3.16E-01 3.16E-01 3.17E-01

4.70E+01 0.00E+00 3.03E-01 1.99E-01 1.82E-01 2.96E-01 2.97E-01 2.97E-01 2.97E-01



4.97E+01 0.00E+00 2.84E-01 1.85E-01 1.70E-01 2.77E-01 2.78E-01 2.78E-01 2.78E-01

5.26E+01 0.00E+00 2.64E-01 1.72E-01 1.58E-01 2.58E-01 2.59E-01 2.59E-01 2.59E-01

5.57E+01 0.00E+00 2.46E-01 1.59E-01 1.46E-01 2.40E-01 2.40E-01 2.41E-01 2.41E-01

5.90E+01 0.00E+00 2.27E-01 1.47E-01 1.35E-01 2.22E-01 2.22E-01 2.22E-01 2.23E-01

6.24E+01 0.00E+00 2.09E-01 1.35E-01 1.24E-01 2.04E-01 2.04E-01 2.05E-01 2.05E-01

60E+01 0.00E+00 1.91E-01 1.23E-01 1.13E-01 1.87E-01 1.87E-01 1.87E-01 1.88E-01

99E+01 0.00E+00 1.74E-01 1.12E-01 1.02E-01 1.70E-01 1.71E-01 1.71E-01 1.71E-01

7.39E+01 0.00E+00 1.58E-01 1.01E-01 9.26E-02 1.54E-01 1.55E-01 1.55E-01 1.55E-01



7.82E+01 0.00E+00 1.42E-01 9.05E-02 8.29E-02 1.39E-01 1.39E-01 1.39E-01 1.40E-01

8.28E+01 0.00E+00 1.28E-01 8.07E-02 7.38E-02 1.24E-01 1.25E-01 1.25E-01 1.25E-01

8.76E+01 0.00E+00 1.14E-01 7.15E-02 6.53E-02 1.11E-01 1.11E-01 1.11E-01 1.11E-01

9.27E+01 0.00E+00 1.00E-01 6.30E-02 5.73E-02 9.80E-02 9.82E-02 9.84E-02 9.86E-02

9.81E+01 0.00E+00 8.82E-02 5.50E-02 5.00E-02 8.61E-02 8.63E-02 8.64E-02 8.66E-02

1.00E+02 0.00E+00 8.43E-02 5.25E-02 4.78E-02 8.23E-02 8.25E-02 8.26E-02 8.28E-02

1.04E+02 0.00E+00 7.69E-02 4.77E-02 4.34E-02 7.50E-02 7.52E-02 7.53E-02 7.55E-02

1.10E+02 0.00E+00 6.65E-02 4.11E-02 3.72E-02 6.49E-02 6.51E-02 6.52E-02 6.53E-02



1.16E+02 0.00E+00 5.71E-02 3.50E-02 3.18E-02 5.57E-02 5.58E-02 5.59E-02 5.60E-02

1.23E+02 0.00E+00 4.86E-02 2.96E-02 2.68E-02 4.74E-02 4.75E-02 4.76E-02 4.77E-02

1.30E+02 0.00E+00 4.10E-02 2.48E-02 2.25E-02 4.00E-02 4.01E-02 4.02E-02 4.02E-02

1.38E+02 0.00E+00 3.43E-02 2.05E-02 1.87E-02 3.34E-02 3.35E-02 3.36E-02 3.36E-02

1.46E+02 0.00E+00 2.84E-02 1.68E-02 1.53E-02 2.77E-02 2.78E-02 2.78E-02 2.79E-02

1.54E+02 0.00E+00 2.33E-02 1.37E-02 1.24E-02 2.27E-02 2.28E-02 2.28E-02 2.29E-02

1.63E+02 0.00E+00 1.90E-02 1.10E-02 1.00E-02 1.85E-02 1.85E-02 1.86E-02 1.86E-02

1.73E+02 0.00E+00 1.53E-02 8.72E-03 7.95E-03 1.49E-02 1.49E-02 1.50E-02 1.50E-02



1.83E+02 0.00E+00 1.22E-02 6.85E-03 6.27E-03 1.19E-02 1.19E-02 1.19E-02 1.20E-02

1.94E+02 0.00E+00 9.68E-03 5.31E-03 4.88E-03 9.41E-03 9.45E-03 9.46E-03 9.48E-03

2.05E+02 0.00E+00 7.63E-03 4.05E-03 3.77E-03 7.40E-03 7.44E-03 7.45E-03 7.47E-03

2.17E+02 0.00E+00 5.99E-03 3.07E-03 2.88E-03 5.75E-03 5.84E-03 5.85E-03 5.87E-03

2.29E+02 0.00E+00 4.71E-03 2.31E-03 2.19E-03 4.50E-03 4.58E-03 4.60E-03 4.61E-03

2.43E+02 0.00E+00 3.71E-03 1.74E-03 1.65E-03 3.55E-03 3.61E-03 3.63E-03 3.63E-03

2.57E+02 0.00E+00 2.96E-03 1.32E-03 1.25E-03 2.78E-03 2.88E-03 2.89E-03 2.90E-03

2.72E+02 0.00E+00 2.40E-03 1.01E-03 9.66E-04 2.25E-03 2.33E-03 2.34E-03 2.35E-03



2.88E+02 0.00E+00 1.99E-03 7.91E-04 7.51E-04 1.84E-03 1.93E-03 1.94E-03 1.95E-03

3.00E+02 0.00E+00 1.77E-03 6.72E-04 6.35E-04 1.60E-03 1.71E-03 1.72E-03 1.74E-03

3.05E+02 0.00E+00 1.70E-03 6.36E-04 6.00E-04 1.54E-03 1.65E-03 1.66E-03 1.67E-03

3.22E+02 0.00E+00 1.49E-03 5.27E-04 4.78E-04 1.35E-03 1.45E-03 1.46E-03 1.47E-03

3.41E+02 0.00E+00 1.35E-03 4.50E-04 4.04E-04 1.20E-03 1.31E-03 1.32E-03 1.34E-03

3.61E+02 0.00E+00 1.26E-03 3.97E-04 3.46E-04 1.06E-03 1.22E-03 1.23E-03 1.25E-03

3.82E+02 0.00E+00 1.20E-03 3.60E-04 3.09E-04 9.47E-04 1.16E-03 1.17E-03 1.19E-03

4.04E+02 0.00E+00 1.16E-03 3.33E-04 2.80E-04 8.71E-04 1.12E-03 1.14E-03 1.15E-03



4.28E+02 0.00E+00 1.14E-03 3.13E-04 2.64E-04 8.36E-04 1.09E-03 1.11E-03 1.13E-03

4.53E+02 0.00E+00 1.12E-03 2.97E-04 2.42E-04 8.10E-04 1.08E-03 1.10E-03 1.11E-03

4.79E+02 0.00E+00 1.12E-03 2.84E-04 2.15E-04 7.93E-04 1.07E-03 1.09E-03 1.10E-03

5.07E+02 0.00E+00 1.11E-03 2.72E-04 1.96E-04 7.67E-04 1.06E-03 1.08E-03 1.10E-03

5.36E+02 0.00E+00 1.11E-03 2.61E-04 1.78E-04 7.61E-04 1.05E-03 1.08E-03 1.09E-03

5.68E+02 0.00E+00 1.10E-03 2.50E-04 1.38E-04 7.52E-04 1.05E-03 1.07E-03 1.09E-03

0.01E+02 0.00E+00 1.10E-03 2.41E-04 1.03E-04 7.27E-04 1.04E-03 1.07E-03 1.08E-03

6.36E+02 0.00E+00 1.10E-03 2.31E-04 6.23E-05 7.06E-04 1.03E-03 1.07E-03 1.08E-03



6.73E+02 0.00E+00 1.10E-03 2.22E-04 3.39E-05 6.95E-04 1.03E-03 1.06E-03 1.08E-03

7.12E+02 0.00E+00 1.10E-03 2.13E-04 2.76E-05 6.76E-04 1.02E-03 1.06E-03 1.08E-03

7.53E+02 0.00E+00 1.09E-03 2.05E-04 2.04E-05 6.66E-04 1.01E-03 1.05E-03 1.07E-03

7.97E+02 0.00E+00 1.09E-03 1.96E-04 1.74E-05 6.41E-04 9.83E-04 1.04E-03 1.07E-03

8.44E+02 0.00E+00 1.09E-03 1.88E-04 1.57E-05 6.20E-04 9.52E-04 1.04E-03 1.06E-03

93E+02 0.00E+00 1.09E-03 1.80E-04 1.34E-05 6.07E-04 9.30E-04 1.04E-03 1.06E-03

9.45E+02 0.00E+00 1.08E-03 1.72E-04 1.30E-05 5.75E-04 9.20E-04 1.04E-03 1.06E-03

1.00E+03 0.00E+00 1.08E-03 1.65E-04 1.27E-05 5.67E-04 9.13E-04 1.03E-03 1.05E-03



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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	4.70E-01	9.41E-01	6.62E-01	6.02E-01	9.26E-01	9.28E-01	9.30E-01	9.32E-01
1.00E+00	4.49E-01	9.18E-01	6.45E-01	5.87E-01	9.04E-01	9.06E-01	9.08E-01	9.10E-01
1.06E+00	4.47E-01	9.17E-01	6.44E-01	5.85E-01	9.03E-01	9.05E-01	9.06E-01	9.08E-01
1.12E+00	4.46E-01	9.15E-01	6.43E-01	5.84E-01	9.01E-01	9.03E-01	9.05E-01	9.07E-01
1.19E+00	4.44E-01	9.14E-01	6.42E-01	5.83E-01	9.00E-01	9.02E-01	9.04E-01	9.06E-01
1.25E+00	4.42E-01	9.12E-01	6.41E-01	5.82E-01	8.98E-01	9.00E-01	9.02E-01	9.04E-01
1.33E+00	4.40E-01	9.11E-01	6.40E-01	5.81E-01	8.97E-01	8.99E-01	9.00E-01	9.02E-01
1.40E+00	4.38E-01	9.09E-01	6.38E-01	5.80E-01	8.95E-01	8.97E-01	8.99E-01	9.01E-01
1.49E+00	4.36E-01	9.07E-01	6.37E-01	5.79E-01	8.93E-01	8.95E-01	8.97E-01	8.99E-01
1.57E+00	4.34E-01	9.05E-01	6.36E-01	5.78E-01	8.92E-01	8.93E-01	8.95E-01	8.97E-01
1.66E+00	4.31E-01	9.03E-01	6.34E-01	5.76E-01	8.90E-01	8.91E-01	8.93E-01	8.95E-01
1.76E+00	4.29E-01	9.01E-01	6.32E-01	5.75E-01	8.87E-01	8.89E-01	8.91E-01	8.93E-01
1.86E+00	4.26E-01	8.99E-01	6.31E-01	5.72E-01	8.85E-01	8.87E-01	8.89E-01	8.91E-01
1.97E+00	4.23E-01	8.97E-01	6.29E-01	5.71E-01	8.83E-01	8.85E-01	8.86E-01	8.88E-01
2.09E+00	4.21E-01	8.94E-01	6.27E-01	5.69E-01	8.80E-01	8.82E-01	8.84E-01	8.86E-01
2.21E+00	4.17E-01	8.91E-01	6.25E-01	5.67E-01	8.78E-01	8.80E-01	8.81E-01	8.83E-01
2.34E+00	4.14E-01	8.89E-01	6.23E-01	5.65E-01	8.75E-01	8.77E-01	8.79E-01	8.81E-01
2.47E+00	4.11E-01	8.86E-01	6.21E-01	5.63E-01	8.72E-01	8.74E-01	8.76E-01	8.78E-01
2.62E+00	4.07E-01	8.83E-01	6.18E-01	5.61E-01	8.69E-01	8.71E-01	8.73E-01	8.75E-01
2.77E+00	4.03E-01	8.79E-01	6.16E-01	5.58E-01	8.66E-01	8.68E-01	8.69E-01	8.71E-01
2.93E+00	3.99E-01	8.76E-01	6.13E-01	5.56E-01	8.62E-01	8.64E-01	8.66E-01	8.68E-01
3.00E+00	3.98E-01	8.74E-01	6.12E-01	5.55E-01	8.61E-01	8.63E-01	8.65E-01	8.66E-01
3.10E+00	3.95E-01	8.72E-01	6.11E-01	5.53E-01	8.59E-01	8.61E-01	8.62E-01	8.64E-01
3.28E+00	3.91E-01	8.68E-01	6.08E-01	5.51E-01	8.55E-01	8.57E-01	8.59E-01	8.61E-01
3.48E+00	3.86E-01	8.64E-01	6.05E-01	5.48E-01	8.51E-01	8.53E-01	8.55E-01	8.57E-01
3.68E+00	3.81E-01	8.60E-01	6.02E-01	5.45E-01	8.47E-01	8.49E-01	8.50E-01	8.52E-01
3.89E+00	3.62E-01	8.56E-01	5.98E-01	5.42E-01	8.43E-01	8.44E-01	8.46E-01	8.48E-01
4.12E+00	3.25E-01	8.51E-01	5.95E-01	5.39E-01	8.38E-01	8.40E-01	8.41E-01	8.43E-01
4.36E+00	2.65E-01	8.46E-01	5.91E-01	5.36E-01	8.33E-01	8.35E-01	8.37E-01	8.38E-01
4.61E+00	1.76E-01	8.41E-01	5.87E-01	5.32E-01	8.28E-01	8.30E-01	8.31E-01	8.33E-01
4.88E+00	9.28E-02	8.35E-01	5.82E-01	5.29E-01	8.23E-01	8.24E-01	8.26E-01	8.28E-01
5.17E+00	2.56E-02	8.30E-01	5.78E-01	5.25E-01	8.17E-01	8.19E-01	8.20E-01	8.22E-01
5.47E+00	1.92E-06	8.24E-01	5.73E-01	5.21E-01	8.11E-01	8.13E-01	8.14E-01	8.16E-01
5.78E+00	0.00E+00	8.17E-01	5.68E-01	5.17E-01	8.05E-01	8.06E-01	8.08E-01	8.10E-01
6.12E+00	0.00E+00	8.11E-01	5.63E-01	5.12E-01	7.98E-01	8.00E-01	8.01E-01	8.03E-01
6.48E+00	0.00E+00	8.04E-01	5.58E-01	5.08E-01	7.91E-01	7.93E-01	7.94E-01	7.96E-01
6.86E+00	0.00E+00	7.96E-01	5.52E-01	5.03E-01	7.84E-01	7.86E-01	7.87E-01	7.89E-01
7.26E+00	0.00E+00	7.89E-01	5.47E-01	4.98E-01	7.77E-01	7.78E-01	7.79E-01	7.81E-01
7.68E+00	0.00E+00	7.81E-01	5.40E-01	4.92E-01	7.69E-01	7.70E-01	7.72E-01	7.73E-01
8.13E+00	0.00E+00	7.72E-01	5.34E-01	4.86E-01	7.60E-01	7.62E-01	7.63E-01	7.65E-01
8.60E+00	0.00E+00	7.63E-01	5.28E-01	4.81E-01	7.52E-01	7.53E-01	7.54E-01	7.56E-01
9.10E+00	0.00E+00	7.54E-01	5.21E-01	4.75E-01	7.42E-01	7.44E-01	7.45E-01	7.47E-01
9.63E+00	0.00E+00	7.44E-01	5.14E-01	4.69E-01	7.33E-01	7.34E-01	7.36E-01	7.38E-01
1.00E+01	0.00E+00	7.38E-01	5.09E-01	4.64E-01	7.26E-01	7.28E-01	7.29E-01	7.31E-01
1.02E+01	0.00E+00	7.34E-01	5.06E-01	4.62E-01	7.23E-01	7.25E-01	7.26E-01	7.28E-01
1.08E+01	0.00E+00	7.24E-01	4.99E-01	4.55E-01	7.13E-01	7.14E-01	7.15E-01	7.17E-01
1.14E+01	0.00E+00	7.13E-01	4.90E-01	4.48E-01	7.02E-01	7.03E-01	7.05E-01	7.06E-01
1.21E+01	0.00E+00	7.01E-01	4.82E-01	4.41E-01	6.91E-01	6.92E-01	6.93E-01	6.95E-01
1.28E+01	0.00E+00	6.90E-01	4.73E-01	4.33E-01	6.79E-01	6.80E-01	6.82E-01	6.83E-01
1.35E+01	0.00E+00	6.77E-01	4.64E-01	4.25E-01	6.67E-01	6.68E-01	6.69E-01	6.71E-01
1.43E+01	0.00E+00	6.64E-01	4.55E-01	4.16E-01	6.54E-01	6.56E-01	6.57E-01	6.58E-01
1.51E+01	0.00E+00	6.51E-01	4.45E-01	4.07E-01	6.41E-01	6.42E-01	6.44E-01	6.45E-01
1.60E+01	0.00E+00	6.37E-01	4.35E-01	3.98E-01	6.27E-01	6.29E-01	6.30E-01	6.31E-01
1.70E+01	0.00E+00	6.23E-01	4.25E-01	3.89E-01	6.13E-01	6.15E-01	6.16E-01	6.17E-01
1.80E+01	0.00E+00	6.08E-01	4.14E-01	3.79E-01	5.99E-01	6.00E-01	6.01E-01	6.03E-01
1.90E+01	0.00E+00	5.93E-01	4.03E-01	3.69E-01	5.84E-01	5.85E-01	5.86E-01	5.87E-01

2.01E+01 0.00E+00 5.77E-01 3.92E-01 3.59E-01 5.68E-01 5.70E-01 5.71E-01 5.72E-01

2.13E+01 0.00E+00 5.61E-01 3.80E-01 3.49E-01 5.52E-01 5.54E-01 5.55E-01 5.56E-01

2.25E+01 0.00E+00 5.44E-01 3.69E-01 3.38E-01 5.36E-01 5.37E-01 5.38E-01 5.39E-01

2.38E+01 0.00E+00 5.27E-01 3.56E-01 3.27E-01 5.19E-01 5.20E-01 5.21E-01 5.22E-01

2.52E+01 0.00E+00 5.10E-01 3.44E-01 3.16E-01 5.02E-01 5.03E-01 5.04E-01 5.05E-01



2.67E+01 0.00E+00 4.92E-01 3.31E-01 3.04E-01 4.84E-01 4.85E-01 4.86E-01 4.87E-01

2.82E+01 0.00E+00 4.74E-01 3.19E-01 2.92E-01 4.66E-01 4.68E-01 4.68E-01 4.69E-01

2.99E+01 0.00E+00 4.55E-01 3.06E-01 2.80E-01 4.48E-01 4.49E-01 4.50E-01 4.51E-01

3.00E+01 0.00E+00 4.54E-01 3.05E-01 2.79E-01 4.47E-01 4.48E-01 4.49E-01 4.50E-01

3.16E+01 0.00E+00 4.36E-01 2.92E-01 2.69E-01 4.30E-01 4.31E-01 4.31E-01 4.32E-01

3.35E+01 0.00E+00 4.17E-01 2.79E-01 2.57E-01 4.11E-01 4.12E-01 4.12E-01 4.13E-01

3.54E+01 0.00E+00 3.98E-01 2.66E-01 2.44E-01 3.92E-01 3.93E-01 3.93E-01 3.94E-01

3.75E+01 0.00E+00 3.79E-01 2.52E-01 2.32E-01 3.73E-01 3.73E-01 3.74E-01 3.75E-01



3.97E+01 0.00E+00 3.59E-01 2.39E-01 2.20E-01 3.53E-01 3.54E-01 3.55E-01 3.56E-01

4.20E+01 0.00E+00 3.40E-01 2.25E-01 2.08E-01 3.34E-01 3.35E-01 3.36E-01 3.36E-01

4.44E+01 0.00E+00 3.20E-01 2.12E-01 1.95E-01 3.15E-01 3.16E-01 3.16E-01 3.17E-01

4.70E+01 0.00E+00 3.01E-01 1.98E-01 1.83E-01 2.96E-01 2.96E-01 2.97E-01 2.98E-01

4.97E+01 0.00E+00 2.81E-01 1.85E-01 1.72E-01 2.77E-01 2.77E-01 2.78E-01 2.79E-01

5.26E+01 0.00E+00 2.62E-01 1.72E-01 1.60E-01 2.58E-01 2.59E-01 2.59E-01 2.60E-01

5.57E+01 0.00E+00 2.43E-01 1.59E-01 1.48E-01 2.40E-01 2.40E-01 2.41E-01 2.41E-01

5.90E+01 0.00E+00 2.25E-01 1.47E-01 1.36E-01 2.21E-01 2.22E-01 2.22E-01 2.23E-01



6.24E+01 0.00E+00 2.07E-01 1.35E-01 1.25E-01 2.04E-01 2.04E-01 2.05E-01 2.05E-01

60E+01 0.00E+00 1.89E-01 1.23E-01 1.14E-01 1.87E-01 1.87E-01 1.87E-01 1.88E-01

99E+01 0.00E+00 1.71E-01 1.12E-01 1.04E-01 1.70E-01 1.70E-01 1.71E-01 1.71E-01

7.39E+01 0.00E+00 1.55E-01 1.01E-01 9.38E-02 1.54E-01 1.54E-01 1.55E-01 1.55E-01

7.82E+01 0.00E+00 1.40E-01 9.06E-02 8.41E-02 1.39E-01 1.39E-01 1.39E-01 1.40E-01

8.28E+01 0.00E+00 1.25E-01 8.09E-02 7.49E-02 1.24E-01 1.25E-01 1.25E-01 1.25E-01

8.76E+01 0.00E+00 1.12E-01 7.17E-02 6.63E-02 1.11E-01 1.11E-01 1.11E-01 1.12E-01

9.27E+01 0.00E+00 9.88E-02 6.30E-02 5.84E-02 9.79E-02 9.82E-02 9.84E-02 9.86E-02



9.81E+01 0.00E+00 8.68E-02 5.51E-02 5.09E-02 8.60E-02 8.62E-02 8.64E-02 8.66E-02

1.00E+02 0.00E+00 8.30E-02 5.25E-02 4.86E-02 8.22E-02 8.24E-02 8.26E-02 8.28E-02

1.04E+02 0.00E+00 7.57E-02 4.77E-02 4.42E-02 7.50E-02 7.51E-02 7.53E-02 7.55E-02

1.10E+02 0.00E+00 6.55E-02 4.10E-02 3.80E-02 6.48E-02 6.50E-02 6.52E-02 6.53E-02

1.16E+02 0.00E+00 5.62E-02 3.50E-02 3.22E-02 5.57E-02 5.58E-02 5.59E-02 5.61E-02

1.23E+02 0.00E+00 4.78E-02 2.96E-02 2.73E-02 4.74E-02 4.75E-02 4.76E-02 4.77E-02

1.30E+02 0.00E+00 4.04E-02 2.47E-02 2.28E-02 3.99E-02 4.01E-02 4.01E-02 4.02E-02

1.38E+02 0.00E+00 3.37E-02 2.05E-02 1.89E-02 3.34E-02 3.35E-02 3.36E-02 3.36E-02



1.46E+02 0.00E+00 2.80E-02 1.68E-02 1.55E-02 2.76E-02 2.77E-02 2.78E-02 2.79E-02

1.54E+02 0.00E+00 2.29E-02 1.36E-02 1.26E-02 2.27E-02 2.28E-02 2.28E-02 2.29E-02

1.63E+02 0.00E+00 1.87E-02 1.10E-02 1.02E-02 1.84E-02 1.85E-02 1.86E-02 1.86E-02

1.73E+02 0.00E+00 1.50E-02 8.69E-03 8.10E-03 1.49E-02 1.49E-02 1.49E-02 1.50E-02

1.83E+02 0.00E+00 1.20E-02 6.82E-03 6.37E-03 1.19E-02 1.19E-02 1.19E-02 1.20E-02

1.94E+02 0.00E+00 9.53E-03 5.29E-03 4.96E-03 9.35E-03 9.44E-03 9.46E-03 9.50E-03

2.05E+02 0.00E+00 7.51E-03 4.04E-03 3.81E-03 7.28E-03 7.44E-03 7.45E-03 7.49E-03

2.17E+02 0.00E+00 5.90E-03 3.06E-03 2.93E-03 5.65E-03 5.84E-03 5.85E-03 5.88E-03



2.29E+02 0.00E+00 4.64E-03 2.31E-03 2.23E-03 4.39E-03 4.58E-03 4.60E-03 4.62E-03

2.43E+02 0.00E+00 3.66E-03 1.74E-03 1.68E-03 3.43E-03 3.61E-03 3.63E-03 3.65E-03

2.57E+02 0.00E+00 2.92E-03 1.32E-03 1.27E-03 2.69E-03 2.88E-03 2.89E-03 2.91E-03

2.72E+02 0.00E+00 2.37E-03 1.01E-03 9.78E-04 2.14E-03 2.33E-03 2.34E-03 2.36E-03

2.88E+02 0.00E+00 1.97E-03 7.92E-04 7.56E-04 1.74E-03 1.93E-03 1.94E-03 1.96E-03

3.00E+02 0.00E+00 1.75E-03 6.72E-04 6.33E-04 1.54E-03 1.71E-03 1.73E-03 1.74E-03

3.05E+02 0.00E+00 1.69E-03 6.36E-04 5.95E-04 1.48E-03 1.64E-03 1.66E-03 1.68E-03

3.22E+02 0.00E+00 1.49E-03 5.27E-04 4.84E-04 1.29E-03 1.43E-03 1.46E-03 1.47E-03



3.41E+02 0.00E+00 1.35E-03 4.51E-04 4.12E-04 1.12E-03 1.29E-03 1.32E-03 1.34E-03

3.61E+02 0.00E+00 1.26E-03 3.97E-04 3.55E-04 9.83E-04 1.20E-03 1.23E-03 1.25E-03

3.82E+02 0.00E+00 1.20E-03 3.60E-04 3.12E-04 9.04E-04 1.14E-03 1.17E-03 1.19E-03

4.04E+02 0.00E+00 1.16E-03 3.32E-04 2.86E-04 8.40E-04 1.10E-03 1.13E-03 1.15E-03

4.28E+02 0.00E+00 1.14E-03 3.11E-04 2.65E-04 7.93E-04 1.08E-03 1.11E-03 1.13E-03

4.53E+02 0.00E+00 1.13E-03 2.94E-04 2.48E-04 7.44E-04 1.06E-03 1.09E-03 1.12E-03

4.79E+02 0.00E+00 1.12E-03 2.80E-04 2.27E-04 7.15E-04 1.04E-03 1.08E-03 1.10E-03

5.07E+02 0.00E+00 1.11E-03 2.67E-04 2.09E-04 7.01E-04 1.03E-03 1.07E-03 1.10E-03



5.36E+02 0.00E+00 1.11E-03 2.55E-04 1.84E-04 6.90E-04 9.95E-04 1.05E-03 1.10E-03

5.68E+02 0.00E+00 1.10E-03 2.43E-04 1.53E-04 6.85E-04 9.81E-04 1.05E-03 1.09E-03

0.01E+02 0.00E+00 1.10E-03 2.32E-04 1.23E-04 6.78E-04 9.64E-04 1.03E-03 1.09E-03

6.36E+02 0.00E+00 1.10E-03 2.22E-04 7.66E-05 6.53E-04 9.57E-04 1.03E-03 1.09E-03

6.73E+02 0.00E+00 1.11E-03 2.13E-04 3.88E-05 6.20E-04 9.54E-04 1.02E-03 1.09E-03

7.12E+02 0.00E+00 1.11E-03 2.04E-04 2.72E-05 6.07E-04 9.32E-04 1.01E-03 1.09E-03

7.53E+02 0.00E+00 1.11E-03 1.95E-04 1.93E-05 6.04E-04 8.82E-04 1.01E-03 1.09E-03

7.97E+02 0.00E+00 1.11E-03 1.86E-04 1.74E-05 5.87E-04 8.75E-04 1.00E-03 1.08E-03



8.44E+02 0.00E+00 1.11E-03 1.78E-04 1.63E-05 5.84E-04 8.68E-04 9.94E-04 1.08E-03

93E+02 0.00E+00 1.12E-03 1.70E-04 1.41E-05 5.64E-04 8.61E-04 9.88E-04 1.08E-03

9.45E+02 0.00E+00 1.12E-03 1.64E-04 1.29E-05 5.43E-04 8.61E-04 9.81E-04 1.08E-03

1.00E+03 0.00E+00 1.12E-03 1.57E-04 1.18E-05 5.28E-04 8.48E-04 9.74E-04 1.06E-03

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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 CM-243.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	6.622E-01	
2	0.000E+00	6.622E-01	
3	0.000E+00	6.621E-01	

Title : RESRAD Default Parameters  
 Input File : FCS SOIL UNCERTAINTY ANALYSIS CM-243.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
Contaminated zone erosion rate	2	-0.12	2	-0.04	18	0.00	18	0.00
Contaminated zone b parameter	15	-0.01	15	0.00	12	0.03	12	0.00
Evapotranspiration coefficient	11	-0.02	11	-0.01	13	-0.02	13	0.00
Wind Speed	8	-0.04	8	-0.01	4	-0.22	4	-0.03
Runoff coefficient	5	-0.06	5	-0.02	5	0.10	5	0.01
Well pump intake depth	9	-0.04	9	-0.01	15	0.02	15	0.00
b Parameter of Unsaturated zone 1	4	-0.08	4	-0.02	11	-0.03	11	0.00
Mass loading for inhalation	3	0.10	3	0.03	3	0.26	3	0.03
Indoor dust filtration factor	7	0.04	7	0.01	2	0.33	2	0.04
Depth of soil mixing layer	10	0.02	10	0.01	17	0.00	17	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	-0.01	12	0.00	14	-0.02	14	0.00
Weathering removal constant of all vegetation	18	0.00	18	0.00	6	-0.06	6	-0.01
Wet foliar interception fraction of leafy vegetables	16	-0.01	16	0.00	16	0.01	16	0.00
Humidity in air	13	0.01	13	0.00	10	-0.03	10	0.00
Kd of Cm-243 in Contaminated Zone	14	0.01	14	0.00	9	-0.04	9	-0.01
Kd of Cm-243 in Unsaturated Zone 1	6	0.05	6	0.01	8	0.05	8	0.01
Kd of Cm-243 in Saturated Zone	17	-0.01	17	0.00	7	0.06	7	0.01

R-SQUARE	0.92	0.92	0.99	0.99
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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 CM-243.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	4	-0.12	4	-0.03	5	-0.08	5	-0.01
Contaminated zone b parameter	13	-0.02	13	-0.01	17	-0.01	17	0.00
Evapotranspiration coefficient	14	0.02	14	0.01	9	-0.05	9	-0.01
Wind Speed	10	-0.04	10	-0.01	4	-0.17	4	-0.02
Runoff coefficient	9	0.05	9	0.01	16	-0.01	16	0.00
Well pump intake depth	5	-0.11	5	-0.03	15	0.02	15	0.00
b Parameter of Unsaturated zone 1	7	-0.09	7	-0.02	8	0.05	8	0.01
Mass loading for inhalation	2	0.16	2	0.05	2	0.37	2	0.04
Indoor dust filtration factor	3	0.12	3	0.03	3	0.29	3	0.03
Depth of soil mixing layer	16	-0.01	16	0.00	12	-0.03	12	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	6	0.07	6	0.01
Weathering removal constant of all vegetation	8	0.07	8	0.02	11	-0.03	11	0.00
Wet foliar interception fraction of leafy vegetables	11	0.03	11	0.01	7	0.06	7	0.01
Humidity in air	12	0.02	12	0.01	14	-0.02	14	0.00
Kd of Cm-243 in Contaminated Zone	6	-0.11	6	-0.03	18	0.00	18	0.00
Kd of Cm-243 in Unsaturated Zone 1	15	-0.02	15	0.00	13	0.02	13	0.00
Kd of Cm-243 in Saturated Zone	17	0.00	17	0.00	10	0.04	10	0.00
R-SQUARE		0.92		0.92		0.99		0.99

-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 CM-243.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	10	-0.05	10	-0.01	7	0.07	7	0.01
Contaminated zone b parameter	9	-0.05	9	-0.02	12	-0.04	12	0.00
Evapotranspiration coefficient	17	-0.01	17	0.00	18	-0.01	18	0.00
Wind Speed	3	-0.08	3	-0.02	3	-0.29	3	-0.03
Runoff coefficient	2	-0.09	2	-0.03	8	-0.07	8	-0.01
Well pump intake depth	4	0.07	4	0.02	15	0.04	15	0.00
b Parameter of Unsaturated zone 1	14	0.03	14	0.01	11	-0.04	11	0.00
Mass loading for inhalation	5	0.06	5	0.02	2	0.31	2	0.04
Indoor dust filtration factor	6	0.06	6	0.02	4	0.28	4	0.03
Depth of soil mixing layer	12	-0.04	12	-0.01	14	-0.04	14	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	16	-0.03	16	0.00
Weathering removal constant of all vegetation	7	-0.06	7	-0.02	5	-0.11	5	-0.01
Wet foliar interception fraction of leafy vegetables	13	-0.03	13	-0.01	6	0.10	6	0.01
Humidity in air	16	0.01	16	0.00	10	-0.05	10	-0.01
Kd of Cm-243 in Contaminated Zone	8	0.06	8	0.02	9	0.06	9	0.01
Kd of Cm-243 in Unsaturated Zone 1	11	-0.04	11	-0.01	17	0.03	17	0.00
Kd of Cm-243 in Saturated Zone	15	0.02	15	0.01	13	-0.04	13	0.00

R-SQUARE	0.92	0.92	0.99	0.99
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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.