

Probabilistic results summary : RESRAD Default Parameters

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Number	Name	Distribution	Parameters																
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1									
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
3	EVAPTR	UNIFORM	.5	.99															
4	WIND	UNIFORM	2.8	4.7															
5	RUNOFF	UNIFORM	.1	.8															
6	DWIBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1				
7	BUZ (1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
8	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1
9	SHF3	UNIFORM	.15	.95															
10	DM	TRIANGULAR	0	.15	.6														
11	DROOT	UNIFORM	.3	4															
12	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999													
13	WLAM	TRIANGULAR	5.1	18	84														
14	RWET (2)	TRIANGULAR	.06	.67	.95														
15	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999													
16	DCACTC (1)	LOGNORMAL-N	4.11	1.1															
17	DCACTU1 (1)	LOGNORMAL-N	4.11	1.1															
18	DCACTS (1)	LOGNORMAL-N	2.83	1.79															

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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
<hr/>										
Sb-125										
Min	0.00E+00	9.74E-01	9.74E-01	6.26E-01	2.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.07E+00	1.07E+00	8.50E-01	5.15E-01	8.94E-02	5.99E-04	1.48E-11	0.00E+00	0.00E+00
Avg	0.00E+00	1.05E+00	1.05E+00	8.23E-01	4.96E-01	8.34E-02	5.23E-04	1.09E-11	0.00E+00	0.00E+00
Std	0.00E+00	1.42E-02	1.42E-02	1.63E-02	1.37E-02	9.76E-03	1.04E-04	3.73E-12	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	9.74E-01	9.74E-01	6.26E-01	2.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.07E+00	1.07E+00	8.50E-01	5.15E-01	8.94E-02	5.99E-04	1.48E-11	0.00E+00	0.00E+00
Avg	0.00E+00	1.05E+00	1.05E+00	8.23E-01	4.96E-01	8.34E-02	5.23E-04	1.09E-11	0.00E+00	0.00E+00
Std	0.00E+00	1.42E-02	1.42E-02	1.63E-02	1.37E-02	9.76E-03	1.04E-04	3.73E-12	0.00E+00	0.00E+00
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ALL is total dose summed for all nuclides.

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/>									
Sb-125									
Min		2.58E-05	1.82E-05	7.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.62E-05	2.24E-05	1.36E-05	2.36E-06	1.58E-08	3.90E-16	0.00E+00	0.00E+00
Avg		2.59E-05	2.13E-05	1.28E-05	2.16E-06	1.35E-08	2.83E-16	0.00E+00	0.00E+00
Std		1.35E-07	6.64E-07	4.68E-07	2.52E-07	2.70E-09	9.56E-17	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		2.58E-05	1.82E-05	7.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.62E-05	2.24E-05	1.36E-05	2.36E-06	1.58E-08	3.90E-16	0.00E+00	0.00E+00
Avg		2.59E-05	2.13E-05	1.28E-05	2.16E-06	1.35E-08	2.83E-16	0.00E+00	0.00E+00
Std		1.35E-07	6.64E-07	4.68E-07	2.52E-07	2.70E-09	9.56E-17	0.00E+00	0.00E+00
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ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

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
Sb-125									
Min		9.27E-01	5.85E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.02E+00	7.97E-01	4.83E-01	8.39E-02	5.62E-04	1.39E-11	0.00E+00	0.00E+00
Avg		1.02E+00	7.94E-01	4.78E-01	8.04E-02	5.05E-04	1.06E-11	0.00E+00	0.00E+00
Std		3.46E-03	7.91E-03	1.02E-02	9.29E-03	1.01E-04	3.63E-12	0.00E+00	0.00E+00
TALL									
Min		9.27E-01	5.85E-01	2.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.02E+00	7.97E-01	4.83E-01	8.39E-02	5.62E-04	1.39E-11	0.00E+00	0.00E+00
Avg		1.02E+00	7.94E-01	4.78E-01	8.04E-02	5.05E-04	1.06E-11	0.00E+00	0.00E+00
Std		3.46E-03	7.91E-03	1.02E-02	9.29E-03	1.01E-04	3.63E-12	0.00E+00	0.00E+00

TALL is total pathway dose summed for all nuclides.

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

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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Sb-125									
Min		4.55E-10	3.66E-10	2.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.01E-06	8.11E-07	4.91E-07	8.48E-08	5.61E-10	1.32E-17	0.00E+00	0.00E+00
Avg		1.63E-07	1.30E-07	7.86E-08	1.32E-08	8.28E-11	1.74E-18	0.00E+00	0.00E+00
Std		9.88E-08	7.92E-08	4.79E-08	8.25E-09	5.43E-11	1.28E-18	0.00E+00	0.00E+00
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ALL									
Min		4.55E-10	3.66E-10	2.22E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.01E-06	8.11E-07	4.91E-07	8.48E-08	5.61E-10	1.32E-17	0.00E+00	0.00E+00
Avg		1.63E-07	1.30E-07	7.86E-08	1.32E-08	8.28E-11	1.74E-18	0.00E+00	0.00E+00
Std		9.88E-08	7.92E-08	4.79E-08	8.25E-09	5.43E-11	1.28E-18	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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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Sb-125									
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/>									
TALL									
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/>									

TALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Plant (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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Sb-125									
Min		1.16E-02	1.10E-02	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.69E-02	4.79E-02	2.92E-02	5.06E-03	3.39E-05	8.36E-13	0.00E+00	0.00E+00
Avg		2.64E-02	2.68E-02	1.61E-02	2.68E-03	1.65E-05	3.13E-13	0.00E+00	0.00E+00
Std		1.27E-02	1.30E-02	7.91E-03	1.38E-03	9.18E-06	2.13E-13	0.00E+00	0.00E+00
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ALL									
Min		1.16E-02	1.10E-02	4.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.69E-02	4.79E-02	2.92E-02	5.06E-03	3.39E-05	8.36E-13	0.00E+00	0.00E+00
Avg		2.64E-02	2.68E-02	1.61E-02	2.68E-03	1.65E-05	3.13E-13	0.00E+00	0.00E+00
Std		1.27E-02	1.30E-02	7.91E-03	1.38E-03	9.18E-06	2.13E-13	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.



Probabilistic Dose vs Pathway(i): Meat (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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Sb-125									
Min		8.62E-04	8.76E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.38E-03	2.67E-03	1.63E-03	2.82E-04	1.89E-06	4.67E-14	0.00E+00	0.00E+00
Avg		1.50E-03	1.63E-03	9.87E-04	1.65E-04	1.02E-06	1.97E-14	0.00E+00	0.00E+00
Std		5.48E-04	6.34E-04	3.88E-04	6.88E-05	4.67E-07	1.13E-14	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		8.62E-04	8.76E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.38E-03	2.67E-03	1.63E-03	2.82E-04	1.89E-06	4.67E-14	0.00E+00	0.00E+00
Avg		1.50E-03	1.63E-03	9.87E-04	1.65E-04	1.02E-06	1.97E-14	0.00E+00	0.00E+00
Std		5.48E-04	6.34E-04	3.88E-04	6.88E-05	4.67E-07	1.13E-14	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Milk (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
<hr/>									
Sb-125									
Min		4.70E-04	4.79E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.62E-03	1.78E-03	1.09E-03	1.88E-04	1.26E-06	3.11E-14	0.00E+00	0.00E+00
Avg		9.49E-04	1.03E-03	6.22E-04	1.04E-04	6.39E-07	1.22E-14	0.00E+00	0.00E+00
Std		4.14E-04	4.60E-04	2.81E-04	4.93E-05	3.30E-07	7.77E-15	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		4.70E-04	4.79E-04	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.62E-03	1.78E-03	1.09E-03	1.88E-04	1.26E-06	3.11E-14	0.00E+00	0.00E+00
Avg		9.49E-04	1.03E-03	6.22E-04	1.04E-04	6.39E-07	1.22E-14	0.00E+00	0.00E+00
Std		4.14E-04	4.60E-04	2.81E-04	4.93E-05	3.30E-07	7.77E-15	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sb-125									
Min		3.98E-05	2.70E-05	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.38E-05	3.63E-05	2.20E-05	3.82E-06	2.56E-08	6.33E-16	0.00E+00	0.00E+00
Avg		4.38E-05	3.62E-05	2.18E-05	3.66E-06	2.30E-08	4.82E-16	0.00E+00	0.00E+00
Std		1.44E-07	3.49E-07	4.63E-07	4.37E-07	4.64E-09	1.66E-16	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		3.98E-05	2.70E-05	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.38E-05	3.63E-05	2.20E-05	3.82E-06	2.56E-08	6.33E-16	0.00E+00	0.00E+00
Avg		4.38E-05	3.62E-05	2.18E-05	3.66E-06	2.30E-08	4.82E-16	0.00E+00	0.00E+00
Std		1.44E-07	3.49E-07	4.63E-07	4.37E-07	4.64E-09	1.66E-16	0.00E+00	0.00E+00
<hr/>									

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sb-125									
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		5.35E-06	5.27E-05	4.08E-04	7.52E-04	3.99E-05	8.28E-13	0.00E+00	0.00E+00
Avg		1.39E-08	2.89E-07	1.99E-06	6.08E-06	3.44E-07	2.69E-14	0.00E+00	0.00E+00
Std		1.70E-07	2.43E-06	1.53E-05	3.67E-05	1.86E-06	6.92E-14	0.00E+00	0.00E+00
<hr/>									
ΣALL									
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		5.35E-06	5.27E-05	4.08E-04	7.52E-04	3.99E-05	8.28E-13	0.00E+00	0.00E+00
Avg		1.39E-08	2.89E-07	1.99E-06	6.08E-06	3.44E-07	2.69E-14	0.00E+00	0.00E+00
Std		1.70E-07	2.43E-06	1.53E-05	3.67E-05	1.86E-06	6.92E-14	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sb-125									
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/>									
TALL									
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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TALL 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 SB-125.RAD

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
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Sb-125									
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 SB-125.RAD

Probabilistic Dose vs Pathway(i): Plant (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
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Sb-125									
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		5.33E-07	5.82E-06	2.61E-05	2.30E-04	6.07E-06	1.71E-13	0.00E+00	0.00E+00
Avg		1.24E-09	2.32E-08	1.61E-07	6.81E-07	3.73E-08	2.60E-15	0.00E+00	0.00E+00
Std		1.72E-08	1.99E-07	1.19E-06	6.74E-06	2.48E-07	8.47E-15	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		5.33E-07	5.82E-06	2.61E-05	2.30E-04	6.07E-06	1.71E-13	0.00E+00	0.00E+00
Avg		1.24E-09	2.32E-08	1.61E-07	6.81E-07	3.73E-08	2.60E-15	0.00E+00	0.00E+00
Std		1.72E-08	1.99E-07	1.19E-06	6.74E-06	2.48E-07	8.47E-15	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 SB-125.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sb-125									
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		1.04E-07	1.17E-06	9.65E-06	2.44E-05	9.17E-07	2.19E-14	0.00E+00	0.00E+00
Avg		3.44E-10	9.20E-09	6.00E-08	1.67E-07	9.02E-09	6.94E-16	0.00E+00	0.00E+00
Std		3.77E-09	6.49E-08	3.98E-07	1.02E-06	4.73E-08	1.74E-15	0.00E+00	0.00E+00
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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		1.04E-07	1.17E-06	9.65E-06	2.44E-05	9.17E-07	2.19E-14	0.00E+00	0.00E+00
Avg		3.44E-10	9.20E-09	6.00E-08	1.67E-07	9.02E-09	6.94E-16	0.00E+00	0.00E+00
Std		3.77E-09	6.49E-08	3.98E-07	1.02E-06	4.73E-08	1.74E-15	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 SB-125.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sb-125									
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		6.09E-08	5.35E-07	3.76E-06	1.05E-05	3.53E-07	8.93E-15	0.00E+00	0.00E+00
Avg		1.96E-10	4.28E-09	2.56E-08	6.71E-08	3.52E-09	2.68E-16	0.00E+00	0.00E+00
Std		2.09E-09	2.92E-08	1.63E-07	4.14E-07	1.84E-08	6.72E-16	0.00E+00	0.00E+00
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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		6.09E-08	5.35E-07	3.76E-06	1.05E-05	3.53E-07	8.93E-15	0.00E+00	0.00E+00
Avg		1.96E-10	4.28E-09	2.56E-08	6.71E-08	3.52E-09	2.68E-16	0.00E+00	0.00E+00
Std		2.09E-09	2.92E-08	1.63E-07	4.14E-07	1.84E-08	6.72E-16	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 SB-125.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	1.03E+00	7.98E-01	4.68E-01	6.85E-02	5.20E-05	1.55E-15	0.00E+00	0.00E+00
0.050	1.04E+00	8.04E-01	4.78E-01	7.49E-02	3.39E-04	9.94E-13	0.00E+00	0.00E+00
0.075	1.04E+00	8.07E-01	4.83E-01	7.84E-02	4.11E-04	3.31E-12	0.00E+00	0.00E+00
0.100	1.04E+00	8.08E-01	4.85E-01	8.02E-02	4.52E-04	5.45E-12	0.00E+00	0.00E+00
0.125	1.04E+00	8.09E-01	4.86E-01	8.10E-02	4.75E-04	6.76E-12	0.00E+00	0.00E+00
0.150	1.04E+00	8.10E-01	4.88E-01	8.18E-02	4.85E-04	7.59E-12	0.00E+00	0.00E+00
0.175	1.04E+00	8.10E-01	4.88E-01	8.23E-02	4.97E-04	8.29E-12	0.00E+00	0.00E+00
0.200	1.04E+00	8.11E-01	4.89E-01	8.27E-02	5.08E-04	8.78E-12	0.00E+00	0.00E+00
0.225	1.04E+00	8.11E-01	4.90E-01	8.30E-02	5.15E-04	9.35E-12	0.00E+00	0.00E+00
0.250	1.04E+00	8.12E-01	4.91E-01	8.34E-02	5.21E-04	9.80E-12	0.00E+00	0.00E+00
0.275	1.04E+00	8.12E-01	4.91E-01	8.37E-02	5.27E-04	1.01E-11	0.00E+00	0.00E+00
0.300	1.04E+00	8.13E-01	4.91E-01	8.40E-02	5.32E-04	1.05E-11	0.00E+00	0.00E+00
0.325	1.04E+00	8.14E-01	4.92E-01	8.42E-02	5.36E-04	1.08E-11	0.00E+00	0.00E+00
0.350	1.04E+00	8.14E-01	4.92E-01	8.44E-02	5.39E-04	1.11E-11	0.00E+00	0.00E+00
0.375	1.04E+00	8.15E-01	4.93E-01	8.45E-02	5.43E-04	1.13E-11	0.00E+00	0.00E+00
0.400	1.04E+00	8.16E-01	4.93E-01	8.47E-02	5.46E-04	1.15E-11	0.00E+00	0.00E+00
0.425	1.04E+00	8.16E-01	4.93E-01	8.48E-02	5.49E-04	1.17E-11	0.00E+00	0.00E+00
0.450	1.04E+00	8.17E-01	4.94E-01	8.49E-02	5.51E-04	1.19E-11	0.00E+00	0.00E+00
0.475	1.05E+00	8.18E-01	4.94E-01	8.50E-02	5.54E-04	1.21E-11	0.00E+00	0.00E+00
0.500	1.05E+00	8.19E-01	4.95E-01	8.51E-02	5.56E-04	1.23E-11	0.00E+00	0.00E+00
0.525	1.05E+00	8.20E-01	4.95E-01	8.52E-02	5.58E-04	1.25E-11	0.00E+00	0.00E+00
0.550	1.05E+00	8.21E-01	4.96E-01	8.53E-02	5.60E-04	1.26E-11	0.00E+00	0.00E+00
0.575	1.05E+00	8.23E-01	4.97E-01	8.54E-02	5.61E-04	1.28E-11	0.00E+00	0.00E+00
0.600	1.05E+00	8.24E-01	4.98E-01	8.55E-02	5.63E-04	1.29E-11	0.00E+00	0.00E+00
0.625	1.05E+00	8.25E-01	4.98E-01	8.57E-02	5.65E-04	1.30E-11	0.00E+00	0.00E+00
0.650	1.05E+00	8.27E-01	4.99E-01	8.58E-02	5.66E-04	1.31E-11	0.00E+00	0.00E+00
0.675	1.06E+00	8.29E-01	5.00E-01	8.59E-02	5.68E-04	1.32E-11	0.00E+00	0.00E+00
0.700	1.06E+00	8.31E-01	5.02E-01	8.61E-02	5.69E-04	1.33E-11	0.00E+00	0.00E+00
0.725	1.06E+00	8.34E-01	5.03E-01	8.63E-02	5.70E-04	1.35E-11	0.00E+00	0.00E+00
0.750	1.06E+00	8.36E-01	5.04E-01	8.65E-02	5.72E-04	1.36E-11	0.00E+00	0.00E+00
0.775	1.07E+00	8.39E-01	5.06E-01	8.68E-02	5.73E-04	1.37E-11	0.00E+00	0.00E+00
0.800	1.07E+00	8.41E-01	5.07E-01	8.70E-02	5.74E-04	1.37E-11	0.00E+00	0.00E+00
0.825	1.07E+00	8.44E-01	5.09E-01	8.72E-02	5.76E-04	1.38E-11	0.00E+00	0.00E+00
0.850	1.07E+00	8.46E-01	5.10E-01	8.74E-02	5.77E-04	1.39E-11	0.00E+00	0.00E+00
0.875	1.07E+00	8.47E-01	5.11E-01	8.78E-02	5.79E-04	1.40E-11	0.00E+00	0.00E+00
0.900	1.07E+00	8.48E-01	5.13E-01	8.82E-02	5.82E-04	1.40E-11	0.00E+00	0.00E+00
0.925	1.07E+00	8.48E-01	5.13E-01	8.85E-02	5.86E-04	1.41E-11	0.00E+00	0.00E+00
0.950	1.07E+00	8.49E-01	5.14E-01	8.89E-02	5.91E-04	1.42E-11	0.00E+00	0.00E+00
0.975	1.07E+00	8.49E-01	5.15E-01	8.91E-02	5.95E-04	1.44E-11	0.00E+00	0.00E+00
1.000	1.07E+00	8.50E-01	5.15E-01	8.94E-02	5.99E-04	1.48E-11	0.00E+00	0.00E+00

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.02E+00	1.07E+00	1.05E+00	1.05E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00
1.00E+00	7.54E-01	8.50E-01	8.23E-01	8.19E-01	8.48E-01	8.49E-01	8.49E-01	8.50E-01
1.06E+00	7.41E-01	8.37E-01	8.11E-01	8.07E-01	8.36E-01	8.37E-01	8.37E-01	8.37E-01
1.12E+00	7.27E-01	8.25E-01	7.99E-01	7.95E-01	8.23E-01	8.24E-01	8.24E-01	8.24E-01
1.19E+00	7.12E-01	8.11E-01	7.86E-01	7.82E-01	8.09E-01	8.11E-01	8.11E-01	8.11E-01
1.25E+00	6.97E-01	7.97E-01	7.72E-01	7.68E-01	7.96E-01	7.97E-01	7.97E-01	7.97E-01
1.33E+00	6.82E-01	7.83E-01	7.58E-01	7.54E-01	7.81E-01	7.82E-01	7.83E-01	7.83E-01
1.40E+00	6.66E-01	7.68E-01	7.43E-01	7.40E-01	7.66E-01	7.67E-01	7.68E-01	7.68E-01
1.49E+00	6.49E-01	7.52E-01	7.28E-01	7.25E-01	7.50E-01	7.52E-01	7.52E-01	7.52E-01
1.57E+00	6.32E-01	7.36E-01	7.12E-01	7.09E-01	7.34E-01	7.36E-01	7.36E-01	7.36E-01
1.66E+00	6.15E-01	7.20E-01	6.96E-01	6.93E-01	7.18E-01	7.19E-01	7.19E-01	7.19E-01
1.76E+00	5.96E-01	7.02E-01	6.79E-01	6.76E-01	7.00E-01	7.02E-01	7.02E-01	7.02E-01
1.86E+00	5.78E-01	6.85E-01	6.61E-01	6.59E-01	6.82E-01	6.84E-01	6.84E-01	6.84E-01
1.97E+00	5.59E-01	6.66E-01	6.44E-01	6.41E-01	6.64E-01	6.65E-01	6.66E-01	6.66E-01
2.09E+00	5.40E-01	6.47E-01	6.25E-01	6.23E-01	6.45E-01	6.47E-01	6.47E-01	6.47E-01
2.21E+00	5.20E-01	6.28E-01	6.06E-01	6.04E-01	6.26E-01	6.27E-01	6.28E-01	6.28E-01
2.34E+00	5.00E-01	6.08E-01	5.87E-01	5.85E-01	6.06E-01	6.07E-01	6.08E-01	6.08E-01
2.47E+00	4.79E-01	5.88E-01	5.67E-01	5.65E-01	5.85E-01	5.87E-01	5.87E-01	5.87E-01
2.62E+00	4.58E-01	5.67E-01	5.46E-01	5.45E-01	5.64E-01	5.66E-01	5.67E-01	5.67E-01
2.77E+00	4.37E-01	5.46E-01	5.26E-01	5.24E-01	5.43E-01	5.45E-01	5.45E-01	5.45E-01
2.93E+00	4.16E-01	5.24E-01	5.05E-01	5.03E-01	5.22E-01	5.23E-01	5.24E-01	5.24E-01
3.00E+00	4.07E-01	5.15E-01	4.96E-01	4.95E-01	5.13E-01	5.14E-01	5.15E-01	5.15E-01
3.10E+00	3.95E-01	5.02E-01	4.83E-01	4.82E-01	5.00E-01	5.01E-01	5.02E-01	5.02E-01
3.28E+00	3.73E-01	4.80E-01	4.62E-01	4.61E-01	4.77E-01	4.79E-01	4.80E-01	4.80E-01
3.48E+00	3.52E-01	4.57E-01	4.40E-01	4.39E-01	4.55E-01	4.57E-01	4.57E-01	4.57E-01
3.68E+00	3.31E-01	4.35E-01	4.18E-01	4.17E-01	4.32E-01	4.34E-01	4.34E-01	4.35E-01
3.89E+00	3.10E-01	4.12E-01	3.96E-01	3.95E-01	4.10E-01	4.11E-01	4.12E-01	4.12E-01
4.12E+00	2.89E-01	3.89E-01	3.74E-01	3.74E-01	3.87E-01	3.89E-01	3.89E-01	3.89E-01
4.36E+00	2.68E-01	3.67E-01	3.52E-01	3.52E-01	3.64E-01	3.66E-01	3.66E-01	3.67E-01
4.61E+00	2.38E-01	3.44E-01	3.30E-01	3.30E-01	3.42E-01	3.43E-01	3.44E-01	3.44E-01
4.88E+00	1.53E-01	3.22E-01	3.08E-01	3.08E-01	3.20E-01	3.21E-01	3.21E-01	3.22E-01
5.17E+00	7.58E-02	3.00E-01	2.86E-01	2.87E-01	2.98E-01	2.99E-01	2.99E-01	2.99E-01
5.47E+00	1.76E-02	2.78E-01	2.65E-01	2.66E-01	2.76E-01	2.77E-01	2.78E-01	2.78E-01
5.78E+00	9.57E-05	2.57E-01	2.44E-01	2.45E-01	2.55E-01	2.56E-01	2.56E-01	2.56E-01
6.12E+00	9.09E-05	2.36E-01	2.24E-01	2.26E-01	2.34E-01	2.35E-01	2.36E-01	2.36E-01
6.48E+00	1.26E-08	2.16E-01	2.04E-01	2.06E-01	2.14E-01	2.15E-01	2.15E-01	2.16E-01
6.86E+00	1.17E-08	1.96E-01	1.86E-01	1.88E-01	1.95E-01	1.96E-01	1.96E-01	1.96E-01
7.26E+00	1.30E-19	1.78E-01	1.68E-01	1.70E-01	1.76E-01	1.77E-01	1.77E-01	1.77E-01
7.68E+00	1.09E-19	1.60E-01	1.51E-01	1.53E-01	1.58E-01	1.59E-01	1.60E-01	1.60E-01
8.13E+00	8.96E-20	1.43E-01	1.34E-01	1.36E-01	1.41E-01	1.42E-01	1.43E-01	1.43E-01
8.60E+00	7.17E-20	1.27E-01	1.19E-01	1.21E-01	1.26E-01	1.26E-01	1.27E-01	1.27E-01
9.10E+00	5.59E-20	1.12E-01	1.05E-01	1.07E-01	1.11E-01	1.11E-01	1.12E-01	1.12E-01
9.63E+00	4.21E-20	9.80E-02	9.16E-02	9.34E-02	9.69E-02	9.76E-02	9.79E-02	9.79E-02
1.00E+01	3.40E-20	8.93E-02	8.33E-02	8.51E-02	8.83E-02	8.89E-02	8.92E-02	8.93E-02
1.02E+01	3.02E-20	8.52E-02	7.94E-02	8.12E-02	8.42E-02	8.48E-02	8.50E-02	8.51E-02
1.08E+01	2.03E-20	7.34E-02	6.83E-02	6.99E-02	7.25E-02	7.31E-02	7.33E-02	7.34E-02
1.14E+01	1.21E-20	6.27E-02	5.82E-02	5.97E-02	6.19E-02	6.24E-02	6.26E-02	6.27E-02
1.21E+01	5.55E-21	5.31E-02	4.91E-02	5.05E-02	5.24E-02	5.28E-02	5.30E-02	5.31E-02
1.28E+01	1.16E-21	4.45E-02	4.11E-02	4.23E-02	4.39E-02	4.43E-02	4.44E-02	4.45E-02
1.35E+01	5.47E-23	3.70E-02	3.40E-02	3.51E-02	3.64E-02	3.67E-02	3.69E-02	3.69E-02
1.43E+01	1.73E-24	3.03E-02	2.79E-02	2.88E-02	2.99E-02	3.02E-02	3.03E-02	3.03E-02
1.51E+01	4.58E-26	2.46E-02	2.26E-02	2.33E-02	2.42E-02	2.45E-02	2.46E-02	2.46E-02
1.60E+01	9.77E-28	1.97E-02	1.80E-02	1.87E-02	1.94E-02	1.96E-02	1.97E-02	1.97E-02
1.70E+01	1.62E-29	1.56E-02	1.42E-02	1.48E-02	1.54E-02	1.55E-02	1.56E-02	1.56E-02
1.80E+01	0.00E+00	1.22E-02	1.11E-02	1.15E-02	1.20E-02	1.21E-02	1.22E-02	1.22E-02
1.90E+01	0.00E+00	9.39E-03	8.50E-03	8.86E-03	9.22E-03	9.32E-03	9.37E-03	9.39E-03

2.01E+01	0.00E+00	7.12E-03	6.42E-03	6.70E-03	6.99E-03	7.06E-03	7.10E-03	7.11E-03
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2.13E+01 0.00E+00 5.31E-03 4.77E-03 4.99E-03 5.21E-03 5.27E-03 5.30E-03 5.31E-03

2.25E+01	0.00E+00	3.90E-03	3.48E-03	3.65E-03	3.82E-03	3.86E-03	3.88E-03	3.89E-03
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2.38E+01 0.00E+00 2.80E-03 2.50E-03 2.63E-03 2.75E-03 2.78E-03 2.80E-03 2.80E-03

2.52E+01	0.00E+00	1.98E-03	1.76E-03	1.85E-03	1.94E-03	1.96E-03	1.97E-03	1.98E-03
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2.67E+01	0.00E+00	1.37E-03	1.21E-03	1.28E-03	1.34E-03	1.36E-03	1.37E-03	1.37E-03
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2.82E+01	0.00E+00	9.30E-04	8.18E-04	8.66E-04	9.07E-04	9.19E-04	9.26E-04	9.28E-04
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2.99E+01	0.00E+00	6.16E-04	5.39E-04	5.73E-04	6.00E-04	6.09E-04	6.13E-04	6.15E-04
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3.00E+01	0.00E+00	5.98E-04	5.23E-04	5.56E-04	5.83E-04	5.91E-04	5.95E-04	5.97E-04
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3.16E+01	0.00E+00	3.98E-04	3.47E-04	3.70E-04	3.88E-04	3.93E-04	3.97E-04	3.98E-04
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3.35E+01	0.00E+00	2.51E-04	2.18E-04	2.33E-04	2.44E-04	2.48E-04	2.50E-04	2.51E-04
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3.54E+01	0.00E+00	1.54E-04	1.33E-04	1.42E-04	1.50E-04	1.52E-04	1.53E-04	1.54E-04
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3.75E+01 0.00E+00 9.20E-05 7.89E-05 8.48E-05 8.94E-05 9.06E-05 9.15E-05 9.18E-05



3.97E+01	0.00E+00	5.33E-05	4.54E-05	4.90E-05	5.17E-05	5.24E-05	5.30E-05	5.32E-05
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4.20E+01	0.00E+00	2.99E-05	2.53E-05	2.73E-05	2.90E-05	2.94E-05	2.97E-05	2.98E-05
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4.44E+01 0.00E+00 1.62E-05 1.36E-05 1.48E-05 1.57E-05 1.59E-05 1.61E-05 1.62E-05

4.70E+01	0.00E+00	8.48E-06	7.08E-06	7.71E-06	8.21E-06	8.32E-06	8.42E-06	8.46E-06
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4.97E+01 0.00E+00 4.27E-06 3.54E-06 3.87E-06 4.14E-06 4.19E-06 4.24E-06 4.26E-06

5.26E+01    0.00E+00    2.07E-06    1.70E-06    1.87E-06    2.00E-06    2.03E-06    2.05E-06    2.06E-06

5.57E+01	0.00E+00	9.60E-07	7.85E-07	8.63E-07	9.28E-07	9.39E-07	9.52E-07	9.57E-07
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5.90E+01	0.00E+00	4.26E-07	3.46E-07	3.82E-07	4.11E-07	4.16E-07	4.23E-07	4.25E-07
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6.24E+01	0.00E+00	1.80E-07	1.45E-07	1.61E-07	1.74E-07	1.76E-07	1.79E-07	1.80E-07
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6.60E+01 0.00E+00 7.26E-08 5.80E-08 6.45E-08 7.00E-08 7.09E-08 7.20E-08 7.24E-08

6.99E+01 0.00E+00 2.77E-08 2.20E-08 2.45E-08 2.67E-08 2.70E-08 2.75E-08 2.76E-08

7.39E+01	0.00E+00	1.00E-08	7.85E-09	8.78E-09	9.63E-09	9.75E-09	9.91E-09	9.97E-09
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7.82E+01 0.00E+00 3.41E-09 2.65E-09 2.97E-09 3.27E-09 3.32E-09 3.37E-09 3.39E-09

8.28E+01	0.00E+00	1.09E-09	8.38E-10	9.43E-10	1.04E-09	1.06E-09	1.08E-09	1.08E-09
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8.76E+01	0.00E+00	3.25E-10	2.48E-10	2.80E-10	3.12E-10	3.16E-10	3.21E-10	3.24E-10
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9.27E+01	0.00E+00	9.07E-11	6.83E-11	7.75E-11	8.69E-11	8.80E-11	8.95E-11	9.02E-11
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9.81E+01	0.00E+00	2.35E-11	1.75E-11	1.99E-11	2.25E-11	2.27E-11	2.31E-11	2.33E-11
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1.00E+02	0.00E+00	1.47E-11	1.09E-11	1.24E-11	1.41E-11	1.42E-11	1.45E-11	1.46E-11
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1.04E+02 0.00E+00 5.61E-12 4.13E-12 4.71E-12 5.37E-12 5.44E-12 5.52E-12 5.58E-12

1.10E+02 0.00E+00 1.23E-12 8.99E-13 1.03E-12 1.18E-12 1.19E-12 1.21E-12 1.23E-12

1.16E+02 0.00E+00 2.48E-13 1.79E-13 2.04E-13 2.37E-13 2.40E-13 2.44E-13 2.47E-13

1.23E+02    0.00E+00    4.56E-14    3.24E-14    3.72E-14    4.35E-14    4.41E-14    4.47E-14    4.53E-14

1.30E+02	0.00E+00	7.58E-15	5.31E-15	6.11E-15	7.22E-15	7.32E-15	7.43E-15	7.52E-15
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1.38E+02	0.00E+00	1.13E-15	7.84E-16	9.04E-16	1.08E-15	1.09E-15	1.11E-15	1.13E-15
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1.46E+02    0.00E+00    1.52E-16    1.04E-16    1.20E-16    1.45E-16    1.47E-16    1.49E-16    1.51E-16

1.54E+02    0.00E+00    1.81E-17    1.22E-17    1.41E-17    1.72E-17    1.74E-17    1.77E-17    1.80E-17

1.63E+02 0.00E+00 1.91E-18 1.26E-18 1.47E-18 1.81E-18 1.83E-18 1.86E-18 1.89E-18

1.73E+02 0.00E+00 1.76E-19 1.15E-19 1.33E-19 1.67E-19 1.69E-19 1.72E-19 1.75E-19

1.83E+02 0.00E+00 1.42E-20 9.04E-21 1.05E-20 1.34E-20 1.36E-20 1.38E-20 1.40E-20

1.94E+02    0.00E+00    9.84E-22    6.12E-22    6.96E-22    9.28E-22    9.41E-22    9.57E-22    9.72E-22

2.05E+02    0.00E+00    5.85E-23    3.50E-23    3.98E-23    5.51E-23    5.60E-23    5.68E-23    5.77E-23

2.17E+02    0.00E+00    2.95E-24    1.69E-24    1.95E-24    2.77E-24    2.82E-24    2.86E-24    2.91E-24



2.29E+02 0.00E+00 1.25E-25 6.89E-26 7.95E-26 1.17E-25 1.19E-25 1.21E-25 1.23E-25

2.43E+02    0.00E+00    4.40E-27    2.33E-27    2.69E-27    4.12E-27    4.20E-27    4.26E-27    4.33E-27

2.57E+02 0.00E+00 1.26E-28 6.41E-29 7.22E-29 1.18E-28 1.20E-28 1.22E-28 1.24E-28

2.72E+02	0.00E+00	2.21E-30	9.73E-31	1.24E-30	2.09E-30	2.14E-30	2.17E-30	2.19E-30
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7.97E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
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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 SB-125.RAD

Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	9.74E-01	1.07E+00	1.05E+00	1.05E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00
1.00E+00	6.26E-01	8.50E-01	8.23E-01	8.19E-01	8.47E-01	8.49E-01	8.49E-01	8.49E-01
1.06E+00	6.09E-01	8.37E-01	8.11E-01	8.08E-01	8.35E-01	8.37E-01	8.37E-01	8.37E-01
1.12E+00	5.92E-01	8.25E-01	7.98E-01	7.95E-01	8.22E-01	8.24E-01	8.24E-01	8.24E-01
1.19E+00	5.75E-01	8.11E-01	7.85E-01	7.82E-01	8.09E-01	8.10E-01	8.11E-01	8.11E-01
1.25E+00	5.57E-01	7.97E-01	7.72E-01	7.68E-01	7.95E-01	7.97E-01	7.97E-01	7.97E-01
1.33E+00	5.39E-01	7.83E-01	7.57E-01	7.54E-01	7.81E-01	7.82E-01	7.83E-01	7.83E-01
1.40E+00	5.20E-01	7.68E-01	7.43E-01	7.40E-01	7.66E-01	7.67E-01	7.68E-01	7.68E-01
1.49E+00	5.01E-01	7.52E-01	7.27E-01	7.25E-01	7.50E-01	7.52E-01	7.52E-01	7.52E-01
1.57E+00	4.81E-01	7.36E-01	7.12E-01	7.09E-01	7.34E-01	7.35E-01	7.36E-01	7.36E-01
1.66E+00	4.61E-01	7.20E-01	6.95E-01	6.93E-01	7.17E-01	7.19E-01	7.19E-01	7.19E-01
1.76E+00	4.41E-01	7.02E-01	6.78E-01	6.76E-01	7.00E-01	7.01E-01	7.02E-01	7.02E-01
1.86E+00	4.21E-01	6.85E-01	6.61E-01	6.59E-01	6.82E-01	6.84E-01	6.84E-01	6.84E-01
1.97E+00	4.00E-01	6.66E-01	6.43E-01	6.41E-01	6.63E-01	6.65E-01	6.66E-01	6.66E-01
2.09E+00	3.80E-01	6.47E-01	6.25E-01	6.23E-01	6.45E-01	6.46E-01	6.47E-01	6.47E-01
2.21E+00	3.59E-01	6.28E-01	6.06E-01	6.04E-01	6.25E-01	6.27E-01	6.27E-01	6.28E-01
2.34E+00	3.38E-01	6.08E-01	5.86E-01	5.85E-01	6.05E-01	6.07E-01	6.08E-01	6.08E-01
2.47E+00	3.18E-01	5.88E-01	5.66E-01	5.65E-01	5.85E-01	5.87E-01	5.87E-01	5.87E-01
2.62E+00	2.97E-01	5.67E-01	5.46E-01	5.45E-01	5.64E-01	5.66E-01	5.66E-01	5.67E-01
2.77E+00	2.77E-01	5.46E-01	5.25E-01	5.24E-01	5.43E-01	5.45E-01	5.45E-01	5.45E-01
2.93E+00	2.57E-01	5.24E-01	5.04E-01	5.04E-01	5.21E-01	5.23E-01	5.24E-01	5.24E-01
3.00E+00	2.50E-01	5.15E-01	4.96E-01	4.95E-01	5.12E-01	5.14E-01	5.15E-01	5.15E-01
3.10E+00	2.38E-01	5.02E-01	4.83E-01	4.82E-01	4.99E-01	5.01E-01	5.02E-01	5.02E-01
3.28E+00	2.19E-01	4.80E-01	4.61E-01	4.61E-01	4.77E-01	4.79E-01	4.79E-01	4.80E-01
3.48E+00	2.01E-01	4.57E-01	4.39E-01	4.39E-01	4.54E-01	4.56E-01	4.57E-01	4.57E-01
3.68E+00	1.83E-01	4.35E-01	4.17E-01	4.17E-01	4.32E-01	4.34E-01	4.34E-01	4.35E-01
3.89E+00	1.66E-01	4.12E-01	3.95E-01	3.95E-01	4.09E-01	4.11E-01	4.12E-01	4.12E-01
4.12E+00	1.49E-01	3.89E-01	3.73E-01	3.73E-01	3.86E-01	3.88E-01	3.89E-01	3.89E-01
4.36E+00	1.34E-01	3.67E-01	3.51E-01	3.52E-01	3.64E-01	3.66E-01	3.66E-01	3.66E-01
4.61E+00	1.19E-01	3.44E-01	3.29E-01	3.30E-01	3.41E-01	3.43E-01	3.44E-01	3.44E-01
4.88E+00	6.12E-02	3.22E-01	3.07E-01	3.08E-01	3.19E-01	3.21E-01	3.21E-01	3.22E-01
5.17E+00	9.25E-03	3.00E-01	2.85E-01	2.87E-01	2.97E-01	2.99E-01	2.99E-01	2.99E-01
5.47E+00	7.70E-08	2.78E-01	2.64E-01	2.66E-01	2.75E-01	2.77E-01	2.77E-01	2.78E-01
5.78E+00	5.31E-08	2.57E-01	2.44E-01	2.46E-01	2.54E-01	2.56E-01	2.56E-01	2.56E-01
6.12E+00	8.67E-14	2.36E-01	2.24E-01	2.26E-01	2.33E-01	2.35E-01	2.35E-01	2.36E-01
6.48E+00	6.80E-14	2.16E-01	2.04E-01	2.06E-01	2.13E-01	2.15E-01	2.15E-01	2.16E-01
6.86E+00	5.10E-14	1.96E-01	1.85E-01	1.88E-01	1.94E-01	1.96E-01	1.96E-01	1.96E-01
7.26E+00	3.58E-14	1.78E-01	1.67E-01	1.70E-01	1.76E-01	1.77E-01	1.77E-01	1.77E-01
7.68E+00	2.22E-14	1.60E-01	1.50E-01	1.53E-01	1.58E-01	1.59E-01	1.59E-01	1.60E-01
8.13E+00	1.07E-14	1.43E-01	1.34E-01	1.36E-01	1.41E-01	1.42E-01	1.43E-01	1.43E-01
8.60E+00	3.09E-15	1.27E-01	1.19E-01	1.21E-01	1.25E-01	1.26E-01	1.27E-01	1.27E-01
9.10E+00	3.92E-16	1.12E-01	1.05E-01	1.07E-01	1.11E-01	1.11E-01	1.12E-01	1.12E-01
9.63E+00	3.88E-17	9.81E-02	9.15E-02	9.35E-02	9.68E-02	9.76E-02	9.78E-02	9.79E-02
1.00E+01	7.70E-18	8.94E-02	8.33E-02	8.52E-02	8.82E-02	8.89E-02	8.91E-02	8.92E-02
1.02E+01	3.35E-18	8.52E-02	7.94E-02	8.12E-02	8.40E-02	8.48E-02	8.50E-02	8.51E-02
1.08E+01	2.51E-19	7.35E-02	6.82E-02	7.00E-02	7.24E-02	7.31E-02	7.32E-02	7.33E-02
1.14E+01	1.62E-20	6.28E-02	5.82E-02	5.97E-02	6.18E-02	6.24E-02	6.26E-02	6.27E-02
1.21E+01	8.89E-22	5.31E-02	4.92E-02	5.05E-02	5.23E-02	5.28E-02	5.30E-02	5.30E-02
1.28E+01	4.10E-23	4.46E-02	4.11E-02	4.23E-02	4.38E-02	4.43E-02	4.44E-02	4.45E-02
1.35E+01	1.58E-24	3.70E-02	3.40E-02	3.51E-02	3.63E-02	3.67E-02	3.68E-02	3.69E-02
1.43E+01	5.11E-26	3.04E-02	2.78E-02	2.88E-02	2.98E-02	3.02E-02	3.02E-02	3.03E-02
1.51E+01	1.35E-27	2.47E-02	2.25E-02	2.33E-02	2.42E-02	2.45E-02	2.45E-02	2.46E-02
1.60E+01	2.79E-29	1.98E-02	1.80E-02	1.87E-02	1.94E-02	1.96E-02	1.97E-02	1.97E-02
1.70E+01	0.00E+00	1.56E-02	1.42E-02	1.48E-02	1.53E-02	1.55E-02	1.56E-02	1.56E-02
1.80E+01	0.00E+00	1.22E-02	1.11E-02	1.15E-02	1.19E-02	1.21E-02	1.22E-02	1.22E-02
1.90E+01	0.00E+00	9.41E-03	8.48E-03	8.86E-03	9.19E-03	9.32E-03	9.36E-03	9.38E-03

2.01E+01 0.00E+00 7.13E-03 6.40E-03 6.71E-03 6.96E-03 7.06E-03 7.09E-03 7.11E-03



2.13E+01 0.00E+00 5.32E-03 4.76E-03 4.99E-03 5.18E-03 5.26E-03 5.29E-03 5.30E-03

2.25E+01	0.00E+00	3.90E-03	3.48E-03	3.66E-03	3.80E-03	3.86E-03	3.88E-03	3.89E-03
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2.38E+01	0.00E+00	2.81E-03	2.49E-03	2.63E-03	2.73E-03	2.78E-03	2.79E-03	2.80E-03
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2.52E+01 0.00E+00 1.98E-03 1.76E-03 1.85E-03 1.93E-03 1.96E-03 1.97E-03 1.98E-03

2.67E+01 0.00E+00 1.37E-03 1.21E-03 1.28E-03 1.33E-03 1.36E-03 1.36E-03 1.37E-03

2.82E+01	0.00E+00	9.31E-04	8.17E-04	8.66E-04	9.04E-04	9.18E-04	9.24E-04	9.28E-04
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2.99E+01	0.00E+00	6.17E-04	5.39E-04	5.72E-04	5.98E-04	6.08E-04	6.12E-04	6.14E-04
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3.00E+01	0.00E+00	5.99E-04	5.23E-04	5.55E-04	5.81E-04	5.90E-04	5.94E-04	5.97E-04
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3.16E+01	0.00E+00	3.99E-04	3.47E-04	3.69E-04	3.87E-04	3.93E-04	3.96E-04	3.97E-04
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3.35E+01	0.00E+00	2.52E-04	2.18E-04	2.32E-04	2.44E-04	2.48E-04	2.50E-04	2.51E-04
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3.54E+01	0.00E+00	1.55E-04	1.33E-04	1.42E-04	1.50E-04	1.52E-04	1.53E-04	1.54E-04
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3.75E+01	0.00E+00	9.22E-05	7.88E-05	8.45E-05	8.91E-05	9.06E-05	9.13E-05	9.17E-05
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3.97E+01 0.00E+00 5.34E-05 4.54E-05 4.88E-05 5.16E-05 5.24E-05 5.29E-05 5.31E-05

4.20E+01	0.00E+00	3.00E-05	2.53E-05	2.72E-05	2.89E-05	2.94E-05	2.96E-05	2.98E-05
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4.44E+01	0.00E+00	1.62E-05	1.36E-05	1.47E-05	1.57E-05	1.59E-05	1.61E-05	1.61E-05
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4.70E+01	0.00E+00	8.50E-06	7.09E-06	7.68E-06	8.19E-06	8.32E-06	8.40E-06	8.44E-06
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4.97E+01	0.00E+00	4.29E-06	3.55E-06	3.86E-06	4.13E-06	4.19E-06	4.23E-06	4.25E-06
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5.26E+01	0.00E+00	2.08E-06	1.71E-06	1.86E-06	1.99E-06	2.02E-06	2.05E-06	2.06E-06
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5.57E+01	0.00E+00	9.63E-07	7.87E-07	8.60E-07	9.25E-07	9.38E-07	9.50E-07	9.56E-07
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5.90E+01 0.00E+00 4.28E-07 3.47E-07 3.80E-07 4.10E-07 4.16E-07 4.21E-07 4.24E-07

6.24E+01	0.00E+00	1.81E-07	1.45E-07	1.60E-07	1.74E-07	1.76E-07	1.78E-07	1.79E-07
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6.60E+01 0.00E+00 7.29E-08 5.81E-08 6.41E-08 6.99E-08 7.08E-08 7.18E-08 7.22E-08

6.99E+01	0.00E+00	2.79E-08	2.20E-08	2.43E-08	2.66E-08	2.70E-08	2.74E-08	2.76E-08
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7.39E+01 0.00E+00 1.01E-08 7.88E-09 8.74E-09 9.61E-09 9.74E-09 9.88E-09 9.95E-09



7.82E+01	0.00E+00	3.42E-09	2.65E-09	2.95E-09	3.27E-09	3.31E-09	3.36E-09	3.38E-09
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8.28E+01	0.00E+00	1.09E-09	8.40E-10	9.37E-10	1.04E-09	1.06E-09	1.07E-09	1.08E-09
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8.76E+01	0.00E+00	3.27E-10	2.49E-10	2.78E-10	3.12E-10	3.15E-10	3.21E-10	3.23E-10
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9.27E+01	0.00E+00	9.12E-11	6.86E-11	7.70E-11	8.69E-11	8.77E-11	8.93E-11	9.00E-11
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9.81E+01	0.00E+00	2.36E-11	1.76E-11	1.98E-11	2.25E-11	2.27E-11	2.31E-11	2.33E-11
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1.00E+02	0.00E+00	1.48E-11	1.10E-11	1.23E-11	1.41E-11	1.42E-11	1.45E-11	1.46E-11
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1.04E+02	0.00E+00	5.65E-12	4.16E-12	4.68E-12	5.37E-12	5.41E-12	5.52E-12	5.56E-12
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1.10E+02	1.16E-18	1.24E-12	9.05E-13	1.02E-12	1.18E-12	1.19E-12	1.21E-12	1.22E-12
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1.16E+02 1.07E-18 2.50E-13 1.80E-13 2.03E-13 2.37E-13 2.40E-13 2.44E-13 2.46E-13

1.23E+02 1.97E-19 4.59E-14 3.27E-14 3.69E-14 4.34E-14 4.39E-14 4.47E-14 4.51E-14

1.30E+02	0.00E+00	7.64E-15	5.35E-15	6.05E-15	7.20E-15	7.29E-15	7.43E-15	7.49E-15
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1.38E+02    0.00E+00    1.14E-15    7.91E-16    8.96E-16    1.08E-15    1.09E-15    1.11E-15    1.12E-15

1.46E+02 0.00E+00 1.53E-16 1.05E-16 1.19E-16 1.44E-16 1.46E-16 1.49E-16 1.50E-16

1.54E+02    0.00E+00    1.83E-17    1.23E-17    1.39E-17    1.71E-17    1.74E-17    1.77E-17    1.79E-17

1.63E+02 0.00E+00 1.93E-18 1.27E-18 1.45E-18 1.80E-18 1.83E-18 1.87E-18 1.88E-18

1.73E+02 0.00E+00 1.78E-19 1.16E-19 1.32E-19 1.66E-19 1.69E-19 1.72E-19 1.74E-19



1.83E+02 0.00E+00 1.43E-20 9.12E-21 1.04E-20 1.33E-20 1.36E-20 1.38E-20 1.40E-20

1.94E+02	0.00E+00	9.96E-22	6.18E-22	7.03E-22	9.24E-22	9.44E-22	9.56E-22	9.68E-22
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2.05E+02    0.00E+00    5.92E-23    3.55E-23    4.04E-23    5.48E-23    5.60E-23    5.68E-23    5.75E-23

2.17E+02    0.00E+00    2.98E-24    1.73E-24    1.97E-24    2.75E-24    2.82E-24    2.86E-24    2.89E-24

2.29E+02 0.00E+00 1.26E-25 7.05E-26 8.07E-26 1.16E-25 1.19E-25 1.21E-25 1.23E-25

2.43E+02    0.00E+00    4.44E-27    2.39E-27    2.74E-27    4.08E-27    4.20E-27    4.26E-27    4.31E-27

2.57E+02	0.00E+00	1.27E-28	6.59E-29	7.35E-29	1.17E-28	1.21E-28	1.23E-28	1.23E-28
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2.72E+02	0.00E+00	2.22E-30	1.00E-30	1.26E-30	2.07E-30	2.14E-30	2.18E-30	2.21E-30
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Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.01E+00	1.07E+00	1.05E+00	1.05E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00
1.00E+00	7.46E-01	8.50E-01	8.23E-01	8.20E-01	8.48E-01	8.49E-01	8.49E-01	8.50E-01
1.06E+00	7.33E-01	8.37E-01	8.11E-01	8.08E-01	8.35E-01	8.37E-01	8.37E-01	8.37E-01
1.12E+00	7.19E-01	8.25E-01	7.99E-01	7.95E-01	8.22E-01	8.24E-01	8.24E-01	8.25E-01
1.19E+00	7.05E-01	8.11E-01	7.86E-01	7.82E-01	8.09E-01	8.11E-01	8.11E-01	8.11E-01
1.25E+00	6.90E-01	7.97E-01	7.72E-01	7.69E-01	7.95E-01	7.97E-01	7.97E-01	7.97E-01
1.33E+00	6.74E-01	7.83E-01	7.58E-01	7.55E-01	7.81E-01	7.82E-01	7.83E-01	7.83E-01
1.40E+00	6.58E-01	7.68E-01	7.43E-01	7.40E-01	7.66E-01	7.67E-01	7.68E-01	7.68E-01
1.49E+00	6.42E-01	7.52E-01	7.28E-01	7.25E-01	7.50E-01	7.52E-01	7.52E-01	7.52E-01
1.57E+00	6.25E-01	7.36E-01	7.12E-01	7.09E-01	7.34E-01	7.36E-01	7.36E-01	7.36E-01
1.66E+00	6.07E-01	7.20E-01	6.96E-01	6.93E-01	7.17E-01	7.19E-01	7.19E-01	7.20E-01
1.76E+00	5.89E-01	7.02E-01	6.79E-01	6.76E-01	7.00E-01	7.02E-01	7.02E-01	7.02E-01
1.86E+00	5.71E-01	6.85E-01	6.62E-01	6.59E-01	6.82E-01	6.84E-01	6.84E-01	6.84E-01
1.97E+00	5.52E-01	6.66E-01	6.44E-01	6.41E-01	6.64E-01	6.65E-01	6.66E-01	6.66E-01
2.09E+00	5.33E-01	6.47E-01	6.25E-01	6.23E-01	6.45E-01	6.47E-01	6.47E-01	6.47E-01
2.21E+00	5.13E-01	6.28E-01	6.06E-01	6.04E-01	6.25E-01	6.27E-01	6.28E-01	6.28E-01
2.34E+00	4.93E-01	6.08E-01	5.87E-01	5.84E-01	6.05E-01	6.07E-01	6.08E-01	6.08E-01
2.47E+00	4.72E-01	5.88E-01	5.67E-01	5.65E-01	5.85E-01	5.87E-01	5.87E-01	5.88E-01
2.62E+00	4.52E-01	5.67E-01	5.47E-01	5.45E-01	5.64E-01	5.66E-01	5.67E-01	5.67E-01
2.77E+00	4.31E-01	5.46E-01	5.26E-01	5.24E-01	5.43E-01	5.45E-01	5.45E-01	5.45E-01
2.93E+00	4.10E-01	5.24E-01	5.05E-01	5.03E-01	5.21E-01	5.23E-01	5.24E-01	5.24E-01
3.00E+00	4.01E-01	5.15E-01	4.96E-01	4.95E-01	5.13E-01	5.14E-01	5.15E-01	5.15E-01
3.10E+00	3.89E-01	5.02E-01	4.83E-01	4.82E-01	4.99E-01	5.01E-01	5.02E-01	5.02E-01
3.28E+00	3.68E-01	4.80E-01	4.62E-01	4.61E-01	4.77E-01	4.79E-01	4.80E-01	4.80E-01
3.48E+00	3.46E-01	4.57E-01	4.40E-01	4.39E-01	4.55E-01	4.57E-01	4.57E-01	4.57E-01
3.68E+00	3.25E-01	4.35E-01	4.18E-01	4.17E-01	4.32E-01	4.34E-01	4.35E-01	4.35E-01
3.89E+00	3.04E-01	4.12E-01	3.96E-01	3.95E-01	4.09E-01	4.11E-01	4.12E-01	4.12E-01
4.12E+00	2.84E-01	3.89E-01	3.74E-01	3.73E-01	3.87E-01	3.89E-01	3.89E-01	3.89E-01
4.36E+00	2.54E-01	3.67E-01	3.52E-01	3.51E-01	3.64E-01	3.66E-01	3.66E-01	3.67E-01
4.61E+00	1.66E-01	3.44E-01	3.30E-01	3.30E-01	3.42E-01	3.43E-01	3.44E-01	3.44E-01
4.88E+00	8.53E-02	3.22E-01	3.08E-01	3.08E-01	3.19E-01	3.21E-01	3.21E-01	3.22E-01
5.17E+00	2.27E-02	3.00E-01	2.86E-01	2.87E-01	2.97E-01	2.99E-01	2.99E-01	3.00E-01
5.47E+00	9.19E-07	2.78E-01	2.65E-01	2.66E-01	2.76E-01	2.77E-01	2.78E-01	2.78E-01
5.78E+00	7.10E-11	2.57E-01	2.44E-01	2.45E-01	2.54E-01	2.56E-01	2.56E-01	2.56E-01
6.12E+00	3.66E-11	2.36E-01	2.24E-01	2.25E-01	2.34E-01	2.35E-01	2.36E-01	2.36E-01
6.48E+00	1.33E-11	2.16E-01	2.05E-01	2.06E-01	2.14E-01	2.15E-01	2.15E-01	2.16E-01
6.86E+00	2.84E-12	1.96E-01	1.86E-01	1.88E-01	1.94E-01	1.96E-01	1.96E-01	1.96E-01
7.26E+00	0.00E+00	1.78E-01	1.68E-01	1.70E-01	1.76E-01	1.77E-01	1.77E-01	1.78E-01
7.68E+00	0.00E+00	1.60E-01	1.51E-01	1.53E-01	1.58E-01	1.59E-01	1.60E-01	1.60E-01
8.13E+00	0.00E+00	1.43E-01	1.35E-01	1.36E-01	1.41E-01	1.42E-01	1.43E-01	1.43E-01
8.60E+00	0.00E+00	1.27E-01	1.19E-01	1.21E-01	1.25E-01	1.26E-01	1.27E-01	1.27E-01
9.10E+00	0.00E+00	1.12E-01	1.05E-01	1.07E-01	1.11E-01	1.11E-01	1.12E-01	1.12E-01
9.63E+00	0.00E+00	9.81E-02	9.18E-02	9.34E-02	9.67E-02	9.76E-02	9.79E-02	9.80E-02
1.00E+01	0.00E+00	8.94E-02	8.35E-02	8.51E-02	8.81E-02	8.89E-02	8.92E-02	8.93E-02
1.02E+01	0.00E+00	8.52E-02	7.96E-02	8.11E-02	8.40E-02	8.48E-02	8.50E-02	8.51E-02
1.08E+01	0.00E+00	7.34E-02	6.85E-02	6.99E-02	7.23E-02	7.31E-02	7.33E-02	7.34E-02
1.14E+01	0.00E+00	6.28E-02	5.83E-02	5.97E-02	6.18E-02	6.24E-02	6.26E-02	6.27E-02
1.21E+01	0.00E+00	5.31E-02	4.93E-02	5.05E-02	5.23E-02	5.28E-02	5.30E-02	5.31E-02
1.28E+01	0.00E+00	4.46E-02	4.12E-02	4.23E-02	4.38E-02	4.43E-02	4.44E-02	4.45E-02
1.35E+01	0.00E+00	3.70E-02	3.41E-02	3.51E-02	3.63E-02	3.67E-02	3.69E-02	3.69E-02
1.43E+01	0.00E+00	3.04E-02	2.79E-02	2.88E-02	2.98E-02	3.02E-02	3.03E-02	3.03E-02
1.51E+01	0.00E+00	2.47E-02	2.26E-02	2.33E-02	2.42E-02	2.45E-02	2.46E-02	2.46E-02
1.60E+01	0.00E+00	1.98E-02	1.80E-02	1.87E-02	1.94E-02	1.96E-02	1.97E-02	1.97E-02
1.70E+01	0.00E+00	1.56E-02	1.42E-02	1.48E-02	1.53E-02	1.55E-02	1.56E-02	1.56E-02
1.80E+01	0.00E+00	1.22E-02	1.11E-02	1.15E-02	1.19E-02	1.21E-02	1.22E-02	1.22E-02
1.90E+01	0.00E+00	9.41E-03	8.51E-03	8.86E-03	9.18E-03	9.32E-03	9.36E-03	9.39E-03

2.01E+01	0.00E+00	7.13E-03	6.42E-03	6.71E-03	6.95E-03	7.06E-03	7.10E-03	7.12E-03
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2.13E+01 0.00E+00 5.32E-03 4.77E-03 5.00E-03 5.18E-03 5.26E-03 5.29E-03 5.31E-03

2.25E+01	0.00E+00	3.90E-03	3.49E-03	3.66E-03	3.80E-03	3.86E-03	3.88E-03	3.89E-03
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2.38E+01	0.00E+00	2.81E-03	2.50E-03	2.63E-03	2.74E-03	2.78E-03	2.79E-03	2.80E-03
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2.52E+01 0.00E+00 1.98E-03 1.76E-03 1.86E-03 1.93E-03 1.96E-03 1.97E-03 1.98E-03



2.67E+01 0.00E+00 1.37E-03 1.21E-03 1.28E-03 1.34E-03 1.36E-03 1.37E-03 1.37E-03

2.82E+01	0.00E+00	9.31E-04	8.18E-04	8.67E-04	9.05E-04	9.19E-04	9.25E-04	9.29E-04
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2.99E+01	0.00E+00	6.17E-04	5.39E-04	5.73E-04	5.99E-04	6.08E-04	6.13E-04	6.15E-04
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3.00E+01	0.00E+00	5.99E-04	5.23E-04	5.56E-04	5.82E-04	5.91E-04	5.95E-04	5.97E-04
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3.16E+01	0.00E+00	3.99E-04	3.47E-04	3.70E-04	3.87E-04	3.93E-04	3.96E-04	3.98E-04
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3.35E+01	0.00E+00	2.52E-04	2.18E-04	2.32E-04	2.44E-04	2.48E-04	2.50E-04	2.51E-04
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3.54E+01	0.00E+00	1.55E-04	1.33E-04	1.42E-04	1.50E-04	1.52E-04	1.53E-04	1.54E-04
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3.75E+01	0.00E+00	9.22E-05	7.90E-05	8.44E-05	8.93E-05	9.06E-05	9.14E-05	9.19E-05
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3.97E+01	0.00E+00	5.34E-05	4.54E-05	4.86E-05	5.16E-05	5.24E-05	5.29E-05	5.32E-05
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4.20E+01	0.00E+00	3.00E-05	2.53E-05	2.72E-05	2.89E-05	2.94E-05	2.96E-05	2.98E-05
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4.44E+01 0.00E+00 1.62E-05 1.37E-05 1.47E-05 1.57E-05 1.59E-05 1.61E-05 1.62E-05

4.70E+01	0.00E+00	8.50E-06	7.10E-06	7.67E-06	8.19E-06	8.32E-06	8.40E-06	8.46E-06
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4.97E+01	0.00E+00	4.28E-06	3.55E-06	3.85E-06	4.12E-06	4.19E-06	4.23E-06	4.26E-06
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5.26E+01 0.00E+00 2.07E-06 1.71E-06 1.86E-06 1.99E-06 2.03E-06 2.05E-06 2.06E-06

5.57E+01	0.00E+00	9.63E-07	7.87E-07	8.57E-07	9.24E-07	9.40E-07	9.50E-07	9.58E-07
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5.90E+01 0.00E+00 4.28E-07 3.47E-07 3.78E-07 4.09E-07 4.17E-07 4.21E-07 4.25E-07



6.24E+01	0.00E+00	1.81E-07	1.46E-07	1.59E-07	1.73E-07	1.76E-07	1.78E-07	1.80E-07
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6.60E+01 0.00E+00 7.29E-08 5.82E-08 6.37E-08 6.98E-08 7.10E-08 7.17E-08 7.24E-08

6.99E+01 0.00E+00 2.79E-08 2.20E-08 2.42E-08 2.66E-08 2.71E-08 2.74E-08 2.76E-08

7.39E+01	0.00E+00	1.01E-08	7.88E-09	8.68E-09	9.60E-09	9.76E-09	9.88E-09	9.98E-09
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7.82E+01	0.00E+00	3.42E-09	2.66E-09	2.93E-09	3.26E-09	3.32E-09	3.36E-09	3.39E-09
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8.28E+01	0.00E+00	1.09E-09	8.41E-10	9.30E-10	1.04E-09	1.06E-09	1.07E-09	1.08E-09
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8.76E+01	0.00E+00	3.27E-10	2.49E-10	2.76E-10	3.11E-10	3.16E-10	3.20E-10	3.24E-10
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9.27E+01	0.00E+00	9.12E-11	6.86E-11	7.64E-11	8.66E-11	8.80E-11	8.91E-11	9.03E-11
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9.81E+01	0.00E+00	2.36E-11	1.76E-11	1.96E-11	2.24E-11	2.27E-11	2.30E-11	2.34E-11
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1.00E+02    0.00E+00    1.48E-11    1.10E-11    1.22E-11    1.40E-11    1.42E-11    1.44E-11    1.46E-11

1.04E+02    0.00E+00    5.64E-12    4.15E-12    4.65E-12    5.34E-12    5.42E-12    5.50E-12    5.58E-12

1.10E+02 0.00E+00 1.24E-12 9.03E-13 1.01E-12 1.17E-12 1.19E-12 1.21E-12 1.23E-12

1.16E+02    0.00E+00    2.50E-13    1.80E-13    2.02E-13    2.36E-13    2.40E-13    2.43E-13    2.47E-13

1.23E+02	0.00E+00	4.59E-14	3.25E-14	3.67E-14	4.33E-14	4.40E-14	4.46E-14	4.53E-14
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1.30E+02	0.00E+00	7.63E-15	5.34E-15	6.03E-15	7.19E-15	7.31E-15	7.40E-15	7.53E-15
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1.38E+02	0.00E+00	1.14E-15	7.89E-16	8.92E-16	1.07E-15	1.09E-15	1.11E-15	1.13E-15
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1.46E+02    0.00E+00    1.53E-16    1.04E-16    1.18E-16    1.44E-16    1.46E-16    1.48E-16    1.51E-16

1.54E+02    0.00E+00    1.83E-17    1.23E-17    1.38E-17    1.71E-17    1.74E-17    1.76E-17    1.80E-17

1.63E+02 0.00E+00 1.93E-18 1.27E-18 1.42E-18 1.80E-18 1.84E-18 1.85E-18 1.89E-18

1.73E+02    0.00E+00    1.78E-19    1.15E-19    1.29E-19    1.66E-19    1.70E-19    1.71E-19    1.75E-19

1.83E+02 0.00E+00 1.43E-20 9.09E-21 1.02E-20 1.33E-20 1.36E-20 1.37E-20 1.41E-20

1.94E+02 0.00E+00 9.95E-22 6.17E-22 6.90E-22 9.24E-22 9.46E-22 9.54E-22 9.75E-22

2.05E+02    0.00E+00    5.92E-23    3.55E-23    3.95E-23    5.48E-23    5.62E-23    5.66E-23    5.79E-23

2.17E+02	0.00E+00	2.99E-24	1.73E-24	1.92E-24	2.75E-24	2.83E-24	2.85E-24	2.92E-24
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2.29E+02 0.00E+00 1.27E-25 7.04E-26 7.76E-26 1.16E-25 1.20E-25 1.21E-25 1.24E-25

2.43E+02    0.00E+00    4.46E-27    2.38E-27    2.64E-27    4.09E-27    4.20E-27    4.25E-27    4.35E-27

2.57E+02 0.00E+00 1.28E-28 6.54E-29 7.24E-29 1.17E-28 1.21E-28 1.22E-28 1.25E-28

2.72E+02    0.00E+00    2.22E-30    9.88E-31    1.23E-30    2.08E-30    2.15E-30    2.17E-30    2.20E-30

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



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5.36E+02      0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00
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[illegible]

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6.01E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
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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 SB-125.RAD

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

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.051E+00
2	0.000E+00	1.051E+00
3	0.000E+00	1.051E+00

Title : RESRAD Default Parameters  
Input File : FCS SOIL UNCERTAINTY ANALYSIS SB-125.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	4	-0.10	4	-0.04	12	0.03	12	0.01
Contaminated zone b parameter	16	-0.01	16	0.00	8	0.04	8	0.01
Evapotranspiration coefficient	3	0.15	3	0.05	3	0.40	3	0.08
Wind Speed	14	0.02	14	0.01	18	0.01	18	0.00
Runoff coefficient	9	0.05	9	0.01	4	0.23	4	0.05
Well pump intake depth	12	-0.03	12	-0.01	11	0.03	11	0.01
b Parameter of Unsaturated zone 1	6	-0.06	6	-0.02	17	-0.01	17	0.00
Mass loading for inhalation	7	0.05	7	0.02	9	0.04	9	0.01
Indoor dust filtration factor	11	0.03	11	0.01	14	0.03	14	0.01
Depth of soil mixing layer	8	0.05	8	0.01	15	0.02	15	0.00
Depth of roots	1	-0.95	1	-0.95	1	-0.98	1	-0.96
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.02	15	-0.01	7	-0.06	7	-0.01
Weathering removal constant of all vegetation	13	0.02	13	0.01	16	0.02	16	0.00
Wet foliar interception fraction of leafy vegetables	10	-0.04	10	-0.01	10	-0.04	10	-0.01
Humidity in air	17	0.01	17	0.00	13	-0.03	13	-0.01
Kd of Sb-125 in Contaminated Zone	2	0.20	2	0.06	2	0.62	2	0.15
Kd of Sb-125 in Unsaturated Zone 1	5	0.08	5	0.03	5	0.08	5	0.02
Kd of Sb-125 in Saturated Zone	18	-0.01	18	0.00	6	0.08	6	0.02
R-SQUARE	0.90		0.90		0.96		0.96	

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

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



Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS SB-125.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
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Contaminated zone erosion rate	7	-0.07	7	-0.03	14	-0.02	14	0.00
Contaminated zone b parameter	3	-0.10	4	-0.04	13	-0.03	13	-0.01
Evapotranspiration coefficient	2	0.21	2	0.09	3	0.42	3	0.09
Wind Speed	11	-0.03	11	-0.01	12	0.03	12	0.01
Runoff coefficient	4	0.10	3	0.04	4	0.21	4	0.04
Well pump intake depth	13	-0.02	13	-0.01	15	0.01	15	0.00
b Parameter of Unsaturated zone 1	8	-0.06	8	-0.02	18	0.00	18	0.00
Mass loading for inhalation	14	0.01	14	0.00	8	0.05	8	0.01
Indoor dust filtration factor	6	0.09	6	0.04	9	0.04	9	0.01
Depth of soil mixing layer	9	-0.05	9	-0.02	5	-0.07	5	-0.01
Depth of roots	1	-0.91	1	-0.90	1	-0.98	1	-0.96
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.01	15	0.00	7	0.06	7	0.01
Weathering removal constant of all vegetation	18	0.00	18	0.00	17	0.00	17	0.00
Wet foliar interception fraction of leafy vegetables	10	0.04	10	0.02	6	0.07	6	0.01
Humidity in air	16	0.00	16	0.00	10	-0.04	10	-0.01
Kd of Sb-125 in Contaminated Zone	5	0.09	5	0.04	2	0.57	2	0.14
Kd of Sb-125 in Unsaturated Zone 1	17	0.00	17	0.00	11	0.04	11	0.01
Kd of Sb-125 in Saturated Zone	12	0.02	12	0.01	16	-0.01	16	0.00

R-SQUARE	0.84	0.84	0.96	0.96
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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 SB-125.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	12	-0.03	12	-0.01	12	0.02	12	0.00
Contaminated zone b parameter	9	-0.04	9	-0.01	10	-0.02	10	0.00
Evapotranspiration coefficient	3	0.17	3	0.05	3	0.40	3	0.08
Wind Speed	7	-0.06	7	-0.02	18	0.01	18	0.00
Runoff coefficient	17	-0.01	17	0.00	4	0.11	4	0.02
Well pump intake depth	6	0.07	6	0.02	11	0.02	11	0.00
b Parameter of Unsaturated zone 1	14	0.01	14	0.00	15	0.01	15	0.00
Mass loading for inhalation	15	-0.01	15	0.00	7	-0.05	7	-0.01
Indoor dust filtration factor	13	-0.02	13	0.01	8	-0.03	8	0.01
Depth of soil mixing layer	16	-0.01	16	0.00	16	-0.01	16	0.00
Depth of roots	1	-0.95	1	-0.94	1	-0.98	1	-0.97
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	9	0.03	9	0.00
Weathering removal constant of all vegetation	4	-0.08	4	-0.03	5	-0.09	5	-0.02
Wet foliar interception fraction of leafy vegetables	8	-0.05	8	-0.01	13	-0.02	13	0.00
Humidity in air	10	0.04	10	0.01	17	0.01	17	0.00
Kd of Sb-125 in Contaminated Zone	2	0.21	2	0.07	2	0.60	2	0.14
Kd of Sb-125 in Unsaturated Zone 1	5	-0.07	5	-0.02	14	-0.01	14	0.00
Kd of Sb-125 in Saturated Zone	11	0.03	11	0.01	6	0.09	6	0.02
R-SQUARE	0.90		0.90		0.96		0.96	

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

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