

Experiment 4 (Ukraine, 2004)

Cultivar	Morphotype	Soil_Cs-137_KBq kg-1 (d. wt)	Soil_Sr-90_KBq kg- 1 (d. wt)	Plant_Cs-137_KBq kg-1 (d. wt)	Plant_Sr-90_KBq kg-1 (d. wt)
Bor 1	Borecole	2.7	1.4	0.15	29.6
Bor 1	Borecole	3	1.6	0.18	50.9
Bor 1	Borecole	3.5	1.5	0.15	37.6
Bor 3	Borecole	2.7	1.1	0.27	34
Bor 3	Borecole	3	2	0.375	59.7
Bor 5	Borecole	2.8	0.96	0.41	41.5
Bor 5	Borecole	2.7	1	0.27	44.9
Bor 5	Borecole	3.6	1.1	0.27	42.1
Bor 6	Borecole	2.8	0.7	0.21	21.7
Bor 6	Borecole	3	2	0.12	46.9
Bor 6	Borecole	3.4	1.4	0.17	31.1
Bro 7	Broccoli	2.6	1.4	0.15	28.9
Bro 8	Broccoli	3	1.6	0.13	39.8
Bro 8	Broccoli	3.2	0.77	0.22	22.6
Bro 9	Broccoli	2.6	0.96	0.23	23.6
Bro 9	Broccoli	2.7	0.56	0.29	17.3
Bro 9	Broccoli	3.5	1	0.13	28.9
Bro 10	Broccoli	2.7	1.3	0.088	28.3
Bro 10	Broccoli	2.8	1.5	0.14	34.3
Bro 10	Broccoli	3.8	1.4	0.23	26.9
Bro 11	Broccoli	2.6	1.4	0.14	22
Bro 11	Broccoli	2.8	1.8	0.18	24.4
Bro 11	Broccoli	3.2	1.3	0.14	18.9
Bro 12	Broccoli	3	1.3	0.17	34
Bro 12	Broccoli	3.2	1.3	0.23	29.8
Bro 13	Broccoli	3	1.3	0.16	32.1
Bro 13	Broccoli	2.9	1.2	0.21	31.5
Bro 13	Broccoli	3.2	1.3	0.18	28.8
Bro 14	Broccoli	2.6	0.96	0.21	21.3
Bro 14	Broccoli	3	2	0.15	44.2
Bro 14	Broccoli	2.9	1.4	0.22	26
Bro 15	Broccoli	2.8	1	0.36	25.7
Br 16	Broccoli	2.6	0.96	0.21	26
Br Sp 17	Brussels sprout	2.6	1.4	0.18	38.1
Br Sp 17	Brussels sprout	3.5	1.5	0.34	39.6
Br Sp 18	Brussels sprout	2.6	0.96	0.26	30.8
Br Sp 18	Brussels sprout	4.1	2.4	0.39	57.7
Br Sp 19	Brussels sprout	2.7	1.1	0.15	89.5
Br Sp 19	Brussels sprout	2.8	1.2	0.2	48.9
Br Sp 19	Brussels sprout	2.9	1.5	0.078	48.9
Br Sp 20	Brussels sprout	2.7	0.92	0.24	27
Br Sp 20	Brussels sprout	3	1.3	0.27	43.6
Br Sp 20	Brussels sprout	2.9	1.5	0.22	38.5
Br Sp 21	Brussels sprout	2.7	1.2	0.3	29
Br Sp 21	Brussels sprout	3	1.3	0.22	31.4

Br Sp 21	Brussels sprout	2.9	1.4	0.24	32.6
Br Sp 22	Brussels sprout	2.7	1.3	0.33	37
Br Sp 22	Brussels sprout	3.2	1.3	0.4	40.3
Br Sp 23	Brussels sprout	2.8	0.7	0.15	40.5
Br Sp 23	Brussels sprout	2.8	1.5	0.27	49.1
Br Sp 23	Brussels sprout	3.5	1	0.14	35.4
Cab 24	Cabbage	2.6	1.4	0.13	42.9
Cab 25	Cabbage	3.1	1.3	0.14	51.3
Cab 25	Cabbage	4.7	1	0.2	48
Cab 26	Cabbage	2.6	0.96	0.38	38.6
Cab 26	Cabbage	2.9	1.2	0.36	52.8
Cab 26	Cabbage	2.9	1.4	0.54	49.9
Cab 27	Cabbage	2.7	1.4	0.43	37
Cab 27	Cabbage	3.5	1.2	0.51	35.5
Cab 28	Cabbage	3	1.3	0.21	32
Cab 28	Cabbage	3.1	2.2	0.15	20
Cab 29	Cabbage	2.6	1	0.098	35.3
Cab 29	Cabbage	3	1.6	0.11	37.5
Cab 30	Cabbage	2.6	1	0.15	38.8
Cab 30	Cabbage	3	1.3	0.26	41
Cab 30	Cabbage	3.7	1.3	0.18	53.4
Cab 31	Cabbage	2.8	1	0.26	23
Cab 32	Cabbage	2.9	1.1	0.46	49.8
Cab 32	Cabbage	2.5	1.6	0.47	49.6
Cab 32	Cabbage	2.7	0.21	0.59	32
Cab 33	Cabbage	2.8	0.7	0.32	24.8
Cab 33	Cabbage	3.8	1.4	0.21	24.5
Cab 34	Cabbage	2.8	0.7	0.21	61.5
Cab 34	Cabbage	3.2	1.4	0.2	28.5
Cab 35	Cabbage	2.6	1	0.18	29
Cab 35	Cabbage	3.1	2.2	0.31	41.1
Cab 36	Cabbage	2.7	1.2	0.097	49.4
Cab 36	Cabbage	2.8	1.8	0.25	50.9
Cab 36	Cabbage	3.7	1.3	0.27	43.6
Cab 37	Cabbage	2.6	0.96	0.21	38.1
Cab 37	Cabbage	3.2	1.4	0.12	49.5
Cab 37	Cabbage	3.6	1.1	0.18	52.4
Cau 38	Cauliflower	2.7	0.92	0.078	19
Cau 38	Cauliflower	2.9	0.41	0.18	17.4
Cau 38	Cauliflower	3.7	1.3	0.11	25.4
Cau 39	Cauliflower	2.8	0.96	0.17	27.9
Cau 39	Cauliflower	2.9	1.2	0.18	39.4
Cau 39	Cauliflower	3.2	0.77	0.43	28.8
Cau 40	Cauliflower	2.7	1.1	0.13	22
Cau 40	Cauliflower	2.7	1.3	0.28	30.1
Cau 40	Cauliflower	3.5	1.5	0.17	31
Cau 41	Cauliflower	2.7	1.4	0.073	25
Cau 41	Cauliflower	3	1.6	0.12	36.8
Cau 41	Cauliflower	2.9	1.4	0.75	30.6
Cau 42	Cauliflower	2.8	0.96	0.16	20

Cau 42	Cauliflower	2.8	1.2	0.3	17
Cau 43	Cauliflower	3	1.3	0.077	16
Cau 43	Cauliflower	3.2	1.3	0.14	11
Cau 44	Cauliflower	3	1.3	0.097	29.6
Cau 44	Cauliflower	2.7	0.56	0.29	23
Cau 44	Cauliflower	2.9	1.4	0.52	36.7
Cau 46	Cauliflower	2.8	0.7	0.081	35.4
Cau 46	Cauliflower	3.5	1.5	0.1	86
Ca 47	Cauliflower	2.8	0.7	0.3	45.8
Ca 47	Cauliflower	2.7	1	0.15	48
Cau 48	Cauliflower	2.7	1.1	0.1	30.6
Cau 49	Cauliflower	2.6	0.96	0.089	29.7
Cau 49	Cauliflower	2.7	1	0.14	32.3
Cau 49	Cauliflower	2.9	1.5	0.22	39.7
Ka 51	Kale	3	1.3	0.11	23.1
Ka 52	Kale	2.6	0.96	0.12	33.2
Ka 53	Kale	2.9	1.1	0.16	40.3
Ka 53	Kale	3.2	1.4	0.2	30.8
Ka 53	Kale	2.9	1.4	0.11	26.7
Ka 54	Kale	2.7	1.3	0.39	39
Ka 54	Kale	3.1	2.2	0.2	43.6
Ka 54	Kale	3.5	1.2	0.35	31
Ka 55	Kale	2.9	1.1	0.17	45.7
Ka 55	Kale	3.5	1.2	0.39	46.6
Ka 56	Kale	2.8	0.7	0.14	27
Ka 56	Kale	3	1.6	0.24	45.3
Ka 56	Kale	4.1	2.4	0.23	43.8
Ko 59	Kohlrabi	2.7	0.92	0.21	36.9
Ko 59	Kohlrabi	2.7	1	0.29	42.9
Ko 60	Kohlrabi	2.6	1.4	0.3	34.8
Ko 60	Kohlrabi	4.1	2.4	0.41	52.1
Ko 61	Kohlrabi	2.7	1.3	0.15	22.9
Ko 61	Kohlrabi	4.7	1	0.36	24.8
Ko 63	Kohlrabi	2.7	1.4	0.13	21
Ko 64	Kohlrabi	2.7	0.92	0.21	22.2
Ko 64	Kohlrabi	2.8	1.2	0.27	24.9
Ko 64	Kohlrabi	2.7	1.3	0.18	26.1
Ko 65	Kohlrabi	2.8	0.98	0.24	22.5
Ko 65	Kohlrabi	3	1.3	0.42	25
Ko 65	Kohlrabi	3.5	1.2	0.34	22
Sa Ca 66	Savoy cabbage	2.6	1	0.37	35.2
Sa Ca 66	Savoy cabbage	2.7	1.3	0.42	43.8
Sa Ca 66	Savoy cabbage	2.8	1	0.41	33.4
Sa Ca 67	Savoy cabbage	2.7	0.92	0.16	31.4
Sa Ca 67	Savoy cabbage	2.9	1.6	0.17	49.6
Sa Ca 67	Savoy cabbage	3.4	1.4	0.34	39.8
Sa Ca 68	Savoy cabbage	2.7	1.3	0.15	35.3
Sa Ca 68	Savoy cabbage	2.5	1.6	0.12	41.6
Sa Ca 68	Savoy cabbage	4.1	2.4	0.17	57.6
Sa Ca 69	Savoy cabbage	2.9	1.1	0.28	22

Sa Ca 70	Savoy cabbage	2.8	0.7	0.23	75.4
Sa Ca 70	Savoy cabbage	2.7	0.56	0.38	66.6
Sa Ca 70	Savoy cabbage	2.7	0.21	0.29	33.4
Sa Ca 71	Savoy cabbage	3.5	1	0.13	50
Sa Ca 72	Savoy cabbage	2.6	0.96	0.3	42.3
Sa Ca 72	Savoy cabbage	3	1.6	0.31	48.8
Sa Ca 73	Savoy cabbage	2.7	1.3	0.26	46
Sa Ca 73	Savoy cabbage	2.8	1.5	0.34	47.1
Sa Ca 73	Savoy cabbage	2.7	1.3	0.29	38.6
Sa Ca 74	Savoy cabbage	2.7	1.2	0.29	74.7
Sa Ca 74	Savoy cabbage	2.7	0.56	0.3	40.8
Sa Ca 74	Savoy cabbage	3.2	0.77	0.33	52.8
Cab 75	Cabbage	2.7	1.3	0.17	46
Cab 75	Cabbage	3.1	1.3	0.17	67.5
Cab 75	Cabbage	2.7	0.21	0.56	58.8
Cab 75	Cabbage	3	1.3	0.095	32.4
Cab 75	Cabbage	2.5	1.6	0.15	37.9
Cab 75	Cabbage	3.5	1	0.12	27.4
Sa Ca 76	Savoy cabbage	2.6	1.4	0.11	49.9
Sa Ca 76	Savoy cabbage	2.9	1.6	0.097	44.8
Sa Ca 76	Savoy cabbage	3.2	1.3	0.15	44

Cs-137_ concentration_ ratio	Sr-90_ concentration_ ratio	Plant_dry _weight_ g
0.06	21.14	39
0.06	31.81	31
0.04	25.07	41.2
0.1	30.91	4.8
0.13	29.85	38.5
0.15	43.23	119.8
0.1	44.9	68.3
0.08	38.27	51
0.08	31	32.2
0.04	23.45	31.7
0.05	22.21	47.4
0.06	20.64	49.6
0.04	24.88	23.3
0.07	29.35	30.5
0.09	24.58	29.8
0.11	30.89	49.4
0.04	28.9	28.1
0.03	21.77	18.8
0.05	22.87	23.2
0.06	19.21	68.4
0.05	15.71	12.7
0.06	13.56	79.9
0.04	14.54	35.4
0.06	26.15	23.3
0.07	22.92	78
0.05	24.69	36
0.07	26.25	106
0.06	22.15	19.7
0.08	22.19	45.8
0.05	22.1	62.5
0.08	18.57	12.9
0.13	25.7	76.8
0.08	27.08	12.02
0.07	27.21	51.9
0.1	26.4	13.3
0.1	32.08	73.1
0.1	24.04	22.6
0.06	81.36	14.7
0.07	40.75	50.1
0.03	32.6	21.4
0.09	29.35	32.7
0.09	33.54	89.1
0.08	25.67	8.4
0.11	24.17	9
0.07	24.15	23.3

0.08	23.29	57
0.12	28.46	8.6
0.13	31	35.9
0.05	57.86	50.9
0.1	32.73	34.9
0.04	35.4	25.1
0.05	30.64	42.8
0.05	39.46	58.2
0.04	48	11.9
0.15	40.21	66.3
0.12	44	58.5
0.19	35.64	43.1
0.16	26.43	9.4
0.15	29.58	27.9
0.07	24.62	2.3
0.05	9.09	11
0.04	35.3	47.2
0.04	23.44	41.7
0.06	38.8	48.2
0.09	31.54	11.4
0.05	41.08	20.2
0.09	23	8.6
0.16	45.27	52
0.19	31	38.7
0.22	152.38	10.2
0.11	35.43	40.2
0.06	17.5	11.1
0.08	87.86	21
0.06	20.36	31.7
0.07	29	2.5
0.1	18.68	69.4
0.04	41.17	36.5
0.09	28.28	23
0.07	33.54	31.2
0.08	39.69	60
0.04	35.36	22.5
0.05	47.64	26.2
0.03	20.65	11.7
0.06	42.44	72.2
0.03	19.54	49.2
0.06	29.06	91.9
0.06	32.83	30.5
0.13	37.4	30
0.05	20	15.6
0.1	23.15	24.9
0.05	20.67	12.5
0.03	17.86	10.4
0.04	23	46.5
0.26	21.86	22.2
0.06	20.83	16.1

0.11	14.17	4.2
0.03	12.31	5.2
0.04	8.46	10.3
0.03	22.77	34.7
0.11	41.07	2.4
0.18	26.21	42.7
0.03	50.57	39.1
0.03	57.33	4.7
0.11	65.43	19.3
0.06	48	11.5
0.04	27.82	38
0.03	30.94	56.1
0.05	32.3	49.1
0.08	26.47	29.1
0.04	17.77	33.3
0.05	34.58	46.7
0.06	36.64	37.9
0.06	22	45.9
0.04	19.07	45.1
0.14	30	1.8
0.06	19.82	24.2
0.1	25.83	14.6
0.06	41.55	35.3
0.11	38.83	45
0.05	38.57	9.5
0.08	28.31	24
0.06	18.25	78
0.08	40.11	35.2
0.11	42.9	36
0.12	24.86	69.6
0.1	21.71	27.9
0.06	17.62	43.3
0.08	24.8	38.5
0.05	15	11.9
0.08	24.13	30.8
0.1	20.75	27.5
0.07	20.08	15.9
0.09	22.96	19.3
0.14	19.23	124.5
0.1	18.33	7.8
0.14	35.2	14.7
0.16	33.69	14.1
0.15	33.4	60
0.06	34.13	45.9
0.06	31	74.4
0.1	28.43	38.8
0.06	27.15	34.7
0.05	26	34.3
0.04	24	32.4
0.1	20	14.3

0.08	107.71	50.7
0.14	118.93	62.8
0.11	159.05	39.3
0.04	50	25
0.12	44.06	63.7
0.1	30.5	36.6
0.1	35.38	72.2
0.12	31.4	43.5
0.11	29.69	42.3
0.11	62.25	49.2
0.11	72.86	50.1
0.1	68.57	31.8
0.06	35.38	1
0.05	51.92	29.7
0.21	280	67.9
0.03	24.92	42
0.06	23.69	44
0.03	27.4	43.2
0.04	35.64	37.2
0.03	28	32.6
0.05	33.85	25.5