

Scarlet Runner
Pure Red Flowers

2/6/62

Position	(a) Up to 1ft					(b) 1 to 4 ft					(c) Over 4 ft					Reverse Color Beans			
	Pods		Beans <i>shucks</i>			Pods		Beans <i>shucks</i>			Pods		Beans <i>shucks</i>			Plants	Pod	Beans	
	No	Gm	No	Gm	Gm	No	Gm	No	Gm	Gm	No	Gm	No	Gm	Gm	No	Gm	Pod	Beans
North Row, tan beans with black markings																			
42						9	45.3	32	35	10.7						1	267	-9	-32
44						3	18.0	10	13.7	4.9	7	24.5	13	18.0	6.9	1	174	-3.7	-10, 13
48	14	50.7	34	35.9	14.3						5	27.2	16	19.5	8.3	4	324	4	-2, 10, -3
50						17	68.8	63	53.9	14.7						1	115	-15	-58
52						6	27.9	14	19.7	8.5	2	7.6	4	4.5	3.1	1	110	-6.2	-14, 4
53						10	69.6	37	51.6	17.8						1	198	-10	-37
56	10	52.0	32	39.3	12.3	13	50.0	31	37.2	12.0	6	31.1	18	20.9	9.6	2	226	6.6	16, 14
59						11	46.2	22	33.9	12.9						1	269	-15	-22
65	6	45.1	30	35.7	9.2	4	14.0	10	10.6	3.8	10	64.1	28	48.9	15.0	1	262		
66						10	69.3	43	54.7	15.1	7	43.3	30	31.3	10.8	1	251	-8.7	-36, 30
68						13	73.7	43	57.6	15.7						1	162	-10	-35

(over) Kentucky Wonder (Yellow white flowers)

3	33	81.0	96	56.7	23.3											4	50.4		
4	6	16.2	21	10.2	6.2											1	47.5		
5	21	42.6	61	29.3	12.4	18	54.8	84	37.2	17.0						2	16.8?		

Scarlet Runner South Row, black beans with tan bottom edge

48						1	2.4	2	1.7	0.8						1	19.7		
58	7	24.8	16	19.0	5.7											1	17.9		
59	7	43.0	24	34.8	8.2						4	15.4	9	10.8	5.1	1	129	5, -4	18, -9
62	6	29.6	20	24.1	5.6						5	20.0	16	14.9	5.3	1	116		
65	1	4.3	3	3.1	1.0											1	106		
70						6	28.0	16	21.0	6.9						2	34		4 Green

Scarlet Runner, South, Red Brown with Grey bottom edge

1						8	30.7	18	23.8	7.4						2	21.1		
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Scarlet Runner, South, Black with Cream bottom edge

3						3	14.9	10	11.0	4.1						4	43.0		2+ Green
4	Reversed twined					10	68.0	37	50.7	17.1	5	12.0	11	7.7	4.1	3	50.9		

17

Total Weight of Vines

Total Weight of 5 weeks

		Sum 2/6/62	Weighted 7/11/62	Sum 2/6/62	Weighted 7/11/62
North Row	Normal	729		597	
	Reversed	1629		1473	205 gms
South Row	Normal	299		267	
	Reversed	400		453	71 gms
Kentucky Wonder N3+N4+N5		115?	226	59	59 gms
559a contained 18 beans Pink + black + 6 beans color reversed pink + black					
559c " 9 " " + "					
N48a " 25 " " + " + 3 " " " cream + black					
N48c " 13 " " + "					
N50b " 5 " Cream + " + 3 " " " " + "					
N56a " 16 " Pink + "					
N56b " 17 " " + "					
N56c " 18 " " + "					
N65b Red was erroneously marked N65c Red all light beans.					

30/10/62 Saved from each N3 + N4 packets seven good representative seeds. The rest were sent to be X-Ray treated, about 35 at 5000 R and 70 at 10000 R. The latter group includes remainder of N4 (14 beans) plus all the poorest remainder of N3.

Notice how N4 differs from N3 and how both greatly differ from N5 the original parent.

N65a	contained 30 beans	Pink + black
N65b	" 10 "	" + "
N65c	" 28 "	" + "
N66b	" 3 "	" + " + 4 beans cream + black + 5 beans color reversed cream + black
N68b	" 8 "	" + "

all the rest of beans both north + south are black + pink

North Row Scarlet Runner
Red flowers.

- N42b 1 vine, 267 gms.
N44c 1 vine 174 gms, 10 pods some immature
N48 3 plants (4 vines) all red, vines 324 gms.
N50 1 vine 115 gms.
N52 1 vine 110 gms.
N53 1 vine 148 gms.
N56 2 vines 226 gms.
N59 1 vine 269 gms.
N65 1 vine 262 gms.
N66 1 vine 251 gms.
N68 1 vine, 162 gms.

South Row - Second Runner
Red flowers.

548 b one plant pure red, one pod
one vine 19.7 gms

562 c one plant pure red, 6 pods green
one vine 116 gms

570 b two plants pure red, 6 pods,
vine 34 gms

Position 558 one plant pure red. 7 pods 24.8 gm,
Shucks 5.7 gm, 16 beans 19.0 gms, all black & pink;
Vine 179 gms.

Position 559 one plant ^{pure red} ~~part a~~, 7 pods, 43 gms, 2 pod black & pink,
6 beans; 5 pods pink & black. 18 beans; total 24 beans + 34.8 gms
Shucks 8.2 gms. Part C, 4 pods green, Vine = 129 gms

Position 565 one plant pure red, one pod. Vine 106 gms

4/1/62 Put two turns of string across vines which had full red flowers. Vines with half red and white flowers left unmarked.

Position	Red Vines	Position	Red Vines
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41	none	56	all three
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42	one +?	57	none
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43	none	58	none
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44	two	59	one
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45	none	60	none
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46	?	61	none
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47	none	62	none
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48	all four	63	none
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49	none	64	none
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50	one	65	one + one at top on 27/1/62
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51	none	66	Two
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52	one	67	none
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53	one	68	Two
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54	none	69	none
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55	none	70	none
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North Row

North row

4/1/62

Position	Bed Vines	Position	Bed Vines
41		56	none
42		57	none
43		58	one
44		59	one
45		60	none
46		61	none
47		62	one
48		63	none
49		64	none
50		65	one
51		66	none
52		67	none
53		68	none
54		69	none
55	none	70	one + one at top

South Row

South Row

Bed Vines
all from plant

Position

1
3
4

one
all - four

27/1/62

2/6/62

The seeds from vines with red flowers had none of tan color as was planted. The large majority were pink to dark pink, a few had light cream color.

The scarlet runner seed having a solid ^{light} color with faint irregular black specks or streaks are a basic type. Occasionally an exact reverse color seed of black with faint irregular light specks or streaks appears. These are the sports or abnormalities I am looking for. They appear on both vines with pure red flowers and vines with red & white flowers. Such seed should be collected for planting next year.

The seeds of black body with light patches on sides and light bottom edge is another basic type. This kind with pink to light purple edge is type inverted to by vines with red flowers. Seeds with colors other than pink to light purple on edge are results of crosses and will not reproduce themselves. I have never seen an exact color reversed seed of this type. It does not seem a useful type to experiment with. Found one in last batch examined on 24/6/62
See NSTC (over)

The Kentucky Wonder seeds from positions N3 + N4 are slightly larger, fatter and shorter and have a shine with darker color compared to seeds from position N5.

N5 are plants growing from seeds of runner beans taken from Green Bank. They are remains of non-dwarf part of row which received 10,000 R in 1959.

N4 Is plant growing from seed taken from Green Bank. They are dwarf part of row which received 10,000 R in 1959. Seed planted in pots on 27/10/61. Plant transplanted from pot # 29 to position N4 on 19/12/61

N3 are plants growing from seed taken from Green Bank. They are dwarf part of row which received 10,000 R in 1959. Seed given 5000 R on about 25/11/61. Planted in pots on 29/11/61. Transplanted from pot # 32 to position N3 on 19/12/61.

N2 Same as N3 but 10,000 R on about 25/11/61. Planted in pots on 29/11/61. Transplanted from pot # 33 to position N2 on 4/1/62. Broken off on 19/2/62