

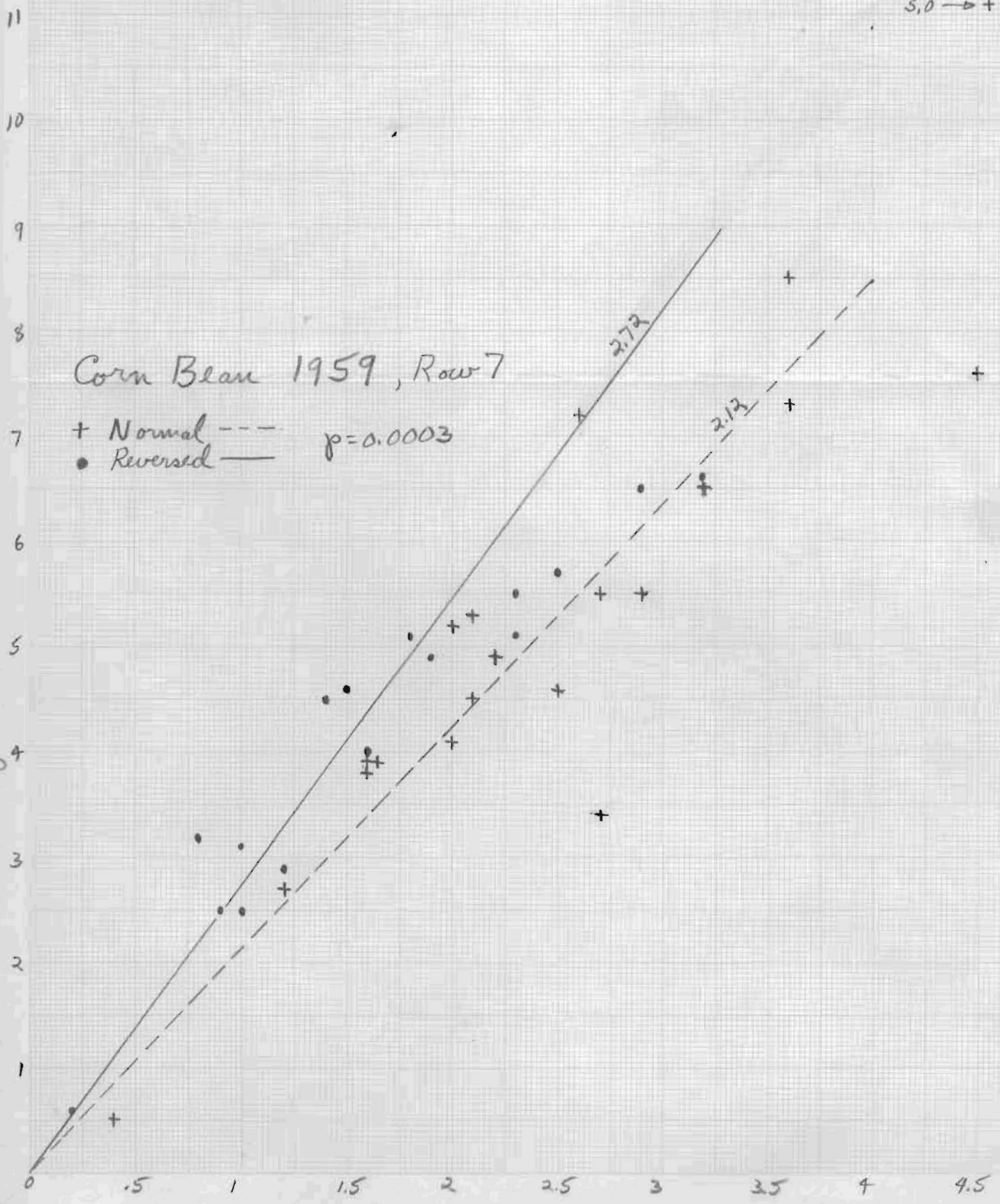
5.0 → +

Corn Bean 1959, Row 7

+ Normal --- $r = 0.0003$
• Reversed —

Ounces of Beans

Ounces of Shucks



Corn Bean 1959 Row 7

7 May 65

Normal (20)

Reversed (16)

Position	O ₂ Beans O ₂ Shucks	Deviation	Dev. ²	Position	O ₂ Beans O ₂ Shucks	Deviation	Dev. ²
1	2.4	+ .3	.09	2	-		
3	-			4	2.3	- .4	.16
5	1.9	- .2	.04	6	-		
7	1.3	- .8	.64	8	2.5	- .2	.04
9	2.1	0	0	10	4.0	+1.3	1.69
11	2.1	0	0	12	-		
13	1.3	- .8	.64	14	3.2	+ .5	.25
15	2.0	- .1	.01	16	-		
17	1.8	- .3	.09	18	2.5	- .2	.04
19	-			20	2.6	- .1	.01
21	2.5	+ .4	.16	22	2.0	- .7	.49
23	2.0	- .1	.01	24	-		
25	-			26	2.5	- .2	.04
27	2.2	+ .1	.01	28	3.1	+ .4	.16
29	2.6	+ .5	.25	30	2.3	- .4	.16
31	2.8	+ .7	.49	32	-		
33	2.4	+ .3	.09	34	3.0	+ .3	.09
35	2.3	+ .2	.04	36	2.8	+ .1	.01
37	-			38	-		
39	-			40	2.8	+ .1	.01
41	2.4	+ .3	.09	42	2.4	- .3	.09
43	1.7	- .4	.16	44	-		
45	2.4	+ .3	.09	46	2.4	- .3	.09
47	2.2	+ .1	.01	48	3.1	+ .4	.16
49	2.0	- .1	.01	50	-		

Sums 42.4 +0.4 2.92 43.5 +0.3 3.49
 Averages 2.12, avg 2.1 2.72, avg 2.7

$$S = [(2.92 + 3.49) / (20 + 16 - 2)]^{1/2} = [6.41 / 34]^{1/2} = [0.1885]^{1/2} = .434$$

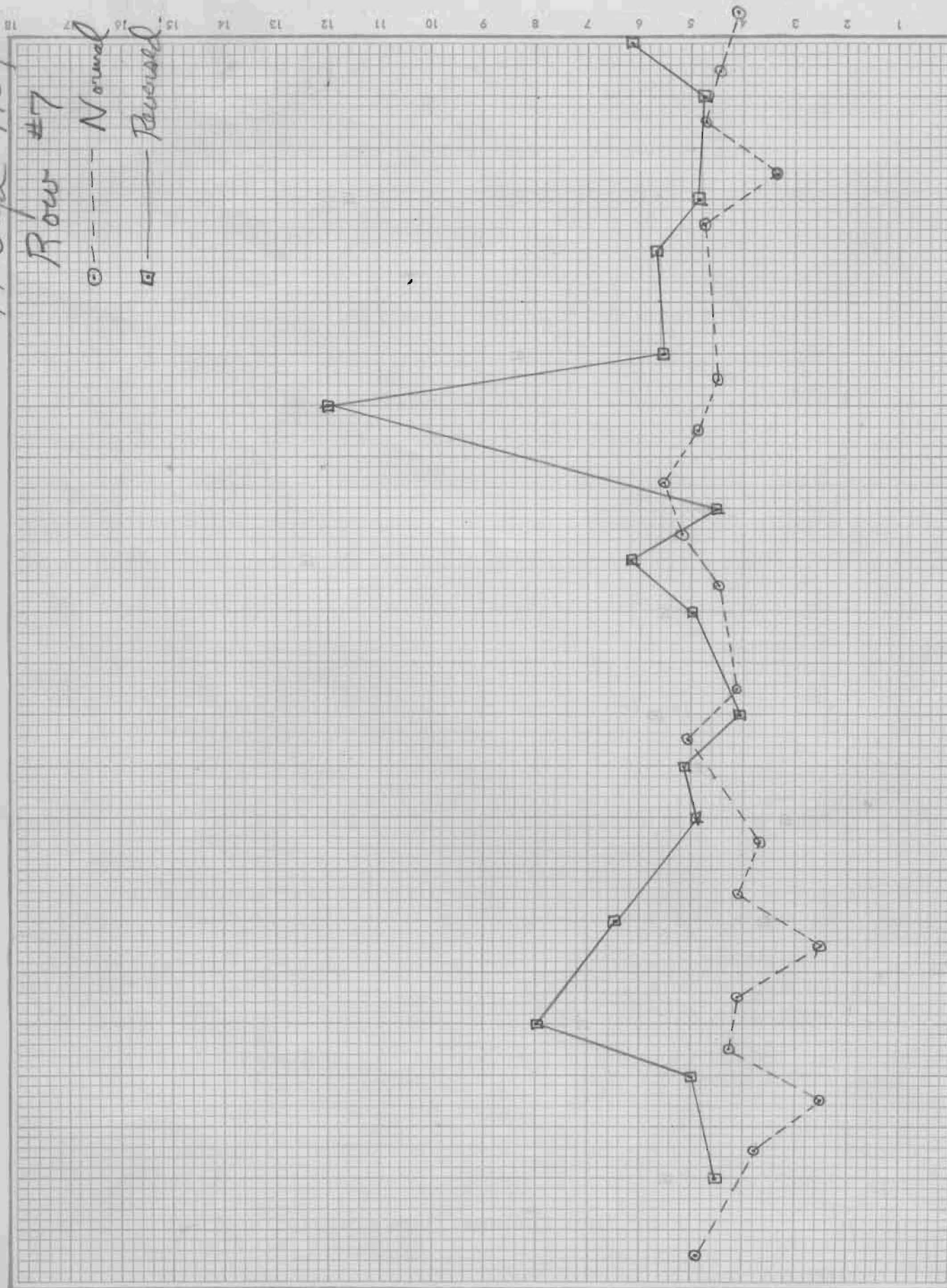
$$t = \frac{(2.72 - 2.12) \left(\frac{20 \times 16}{20 + 16} \right)^{1/2}}{.434} = \frac{0.60 \times 2.98}{.434} = 4.12 \quad (n_1 + n_2 - 1) = 35, \quad p = 0.0003$$

14 Sept 1959

Row #7

○ --- Normal

□ --- Reversed



Hill Number

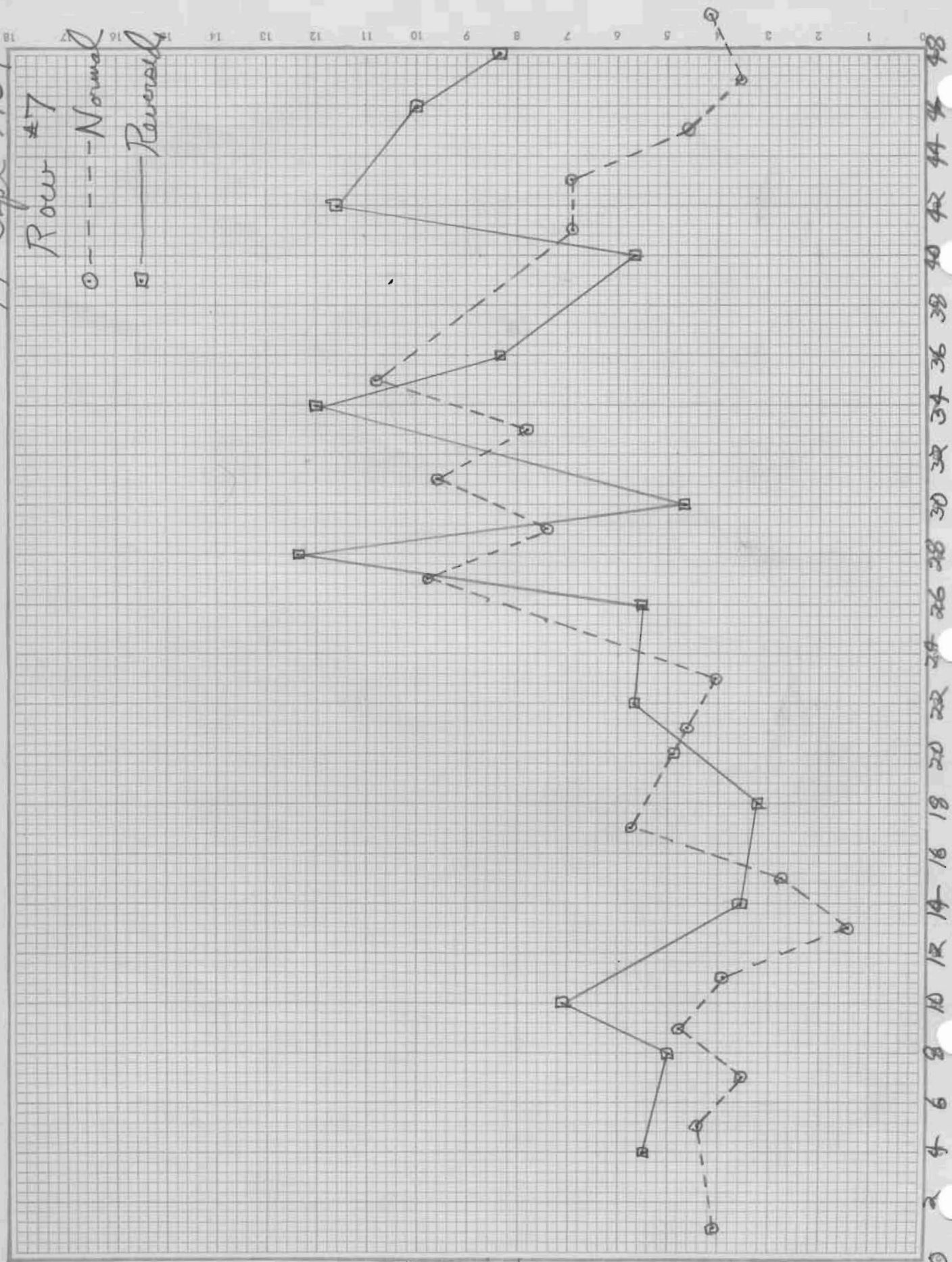
Dumetis Beans / Dumetis Shuckage

14 Sept 1959

Row #7

○ --- Normal

□ --- Reversed



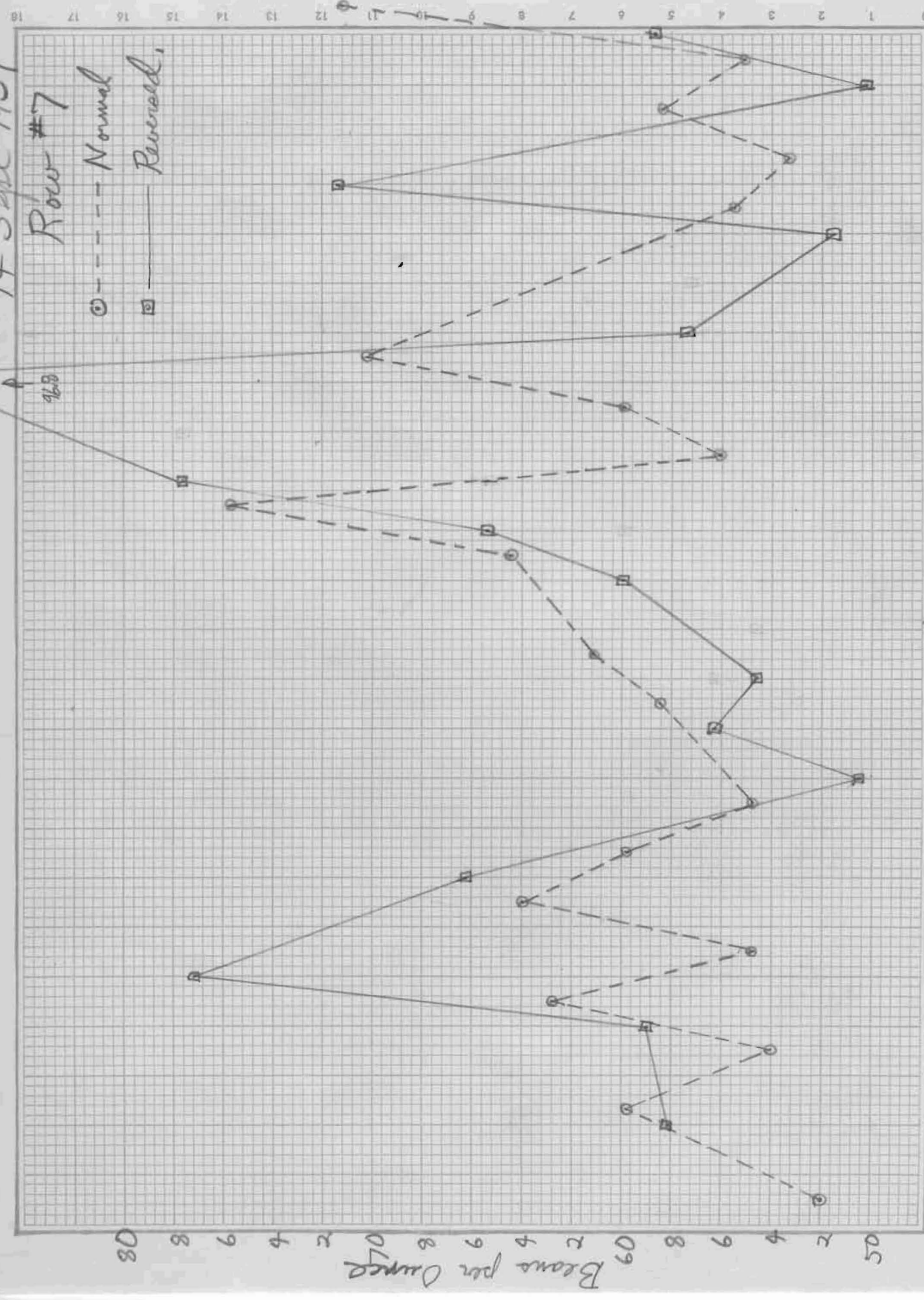
Dances Beams / Dances Vines

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48

14 Sept 1959

Row #7

○ --- Normal
 □ --- Reversed

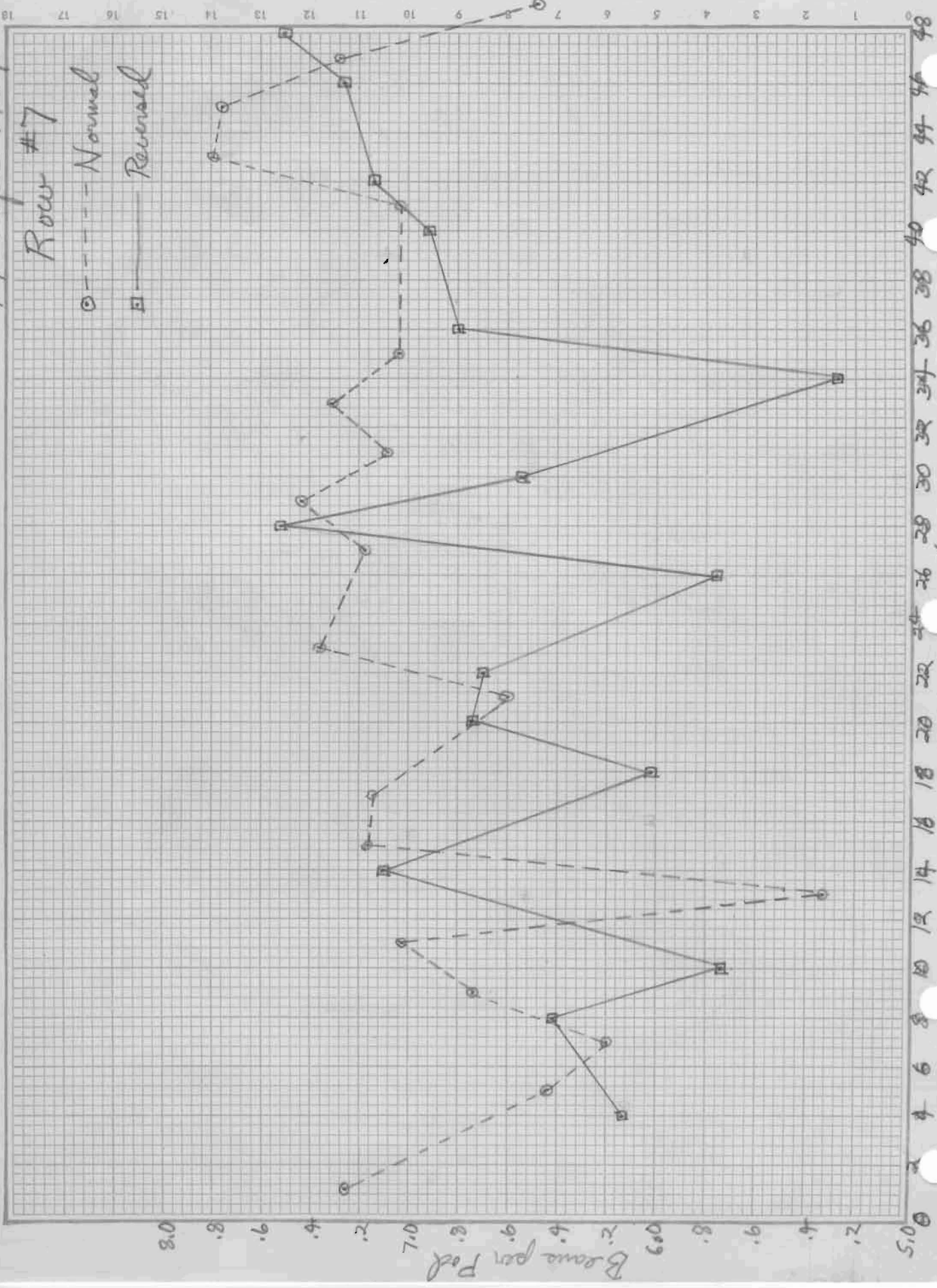


Hill Number

14 Sept 1959

Row #7

○ --- Normal
 □ --- Reversed



Hill Number

Normal Vines, Row #7

11 to 14 Sept 1959

Hill	Condition of Vines	Number of Vines	Ounces Vines	Number Pods	Ounces Pods	Number Beans	Ounces Beans	Ounces Shuck	Beans Dry (Vine + Shuck)	Beans Pods	Beans per oz.	Oz Beans	Oz Shuck	Oz Beans	Oz Vines
1	Dry	1	1.9	28	5.6	203	3.9	1.6	1.11	7.26	52.0	2.44	2.05		
3	Missing														
5	Dry	2	2.5	51	8.5	329	5.5	2.9	1.02	6.44	59.8	1.90	2.20		
7	Nearly Dry	1	1.9	30	6.1	186	3.4	2.7	.94	6.20	54.1	1.26	1.79		
9	Dry	2	1.9	42	6.6	283	4.5	2.1	1.13	6.74	62.8	2.14	2.37		
11	Dry	1	2.1	32	5.7	225	4.1	2.0	1.00	7.03	54.8	2.05	1.95		
13	Dry	1	0.7	6	0.9	32	0.5	0.4	.46	5.33	64.0	1.25	.71		
15	Nearly Dry	1	4.0	46	8.2	329	5.5	2.7	.82	7.16	59.8	2.04	1.38		
17	Nearly Dry	1	1.6	35	7.1	250	4.6	2.5	1.12	7.14	54.4	1.84	2.88		
19	Missing														
21	Dry	2	2.3	47	7.4	310	5.3	2.1	1.23	6.60	58.5	2.52	2.31		
23	Dry	1	3.2	54	9.7	397	6.5	3.2	1.02	7.36	61.1	2.03	2.03		
25	Missing														
27	Dry	1	1.0	44	7.1	316	4.9	2.2	1.53	7.18	64.5	2.23	4.90		
29	Dry	2	1.4	53	7.2	394	5.2	2.0	1.53	7.44	75.8	2.60	3.72		
31	Dry	2	1.5	57	9.8	404	7.2	2.6	1.76	7.09	56.1	2.77	4.80		
33	Dry	1	1.0	32	5.5	234	3.9	1.6	1.50	7.31	60.0	2.44	3.90		
35	Dry	2	0.5	27	3.9	190	2.7	1.2	1.59	7.04	70.2	2.25	5.90		
37	Missing														
39	Missing														
41	Dry	2	1.1	30	5.4	211	3.8	1.6	1.41	7.03	55.5	2.38	3.45		
43	Nearly Dry	1	2.3	52	12.1	405	7.6	4.5	1.13	7.79	53.3	1.69	3.46		
45	Dry	2	3.7	64	12.2	477	8.5	3.6	1.35	7.76	58.4	2.36	2.30		
47	Nearly Dry	3	6.2	84	16.1	611	11.1	5.0	.99	7.28	55.1	2.22	1.79		
49	Dry	3	3.5	80	10.9	519	7.3	3.6	1.03	6.48	71.2	2.03	2.08		

Entire Row #7

	Mean	RMS	SE
Beans / Pod	6.93	.60	.14
Beans / oz	60.1	6.45	1.44
oz beans / oz shucks	2.12	.40	.09
oz beans / oz vines	2.77	1.26	.28
oz beans / oz shucks + vines	1.18	.31	.07

Reversed Vines, Row #7 11 to 14 Sept 1959

Hill	Condition of Vines	Number of Vines	Ounces Vines	Number Pods	Ounces Pods	Number Beans	Ounces Beans	Ounces Shrub	Oz Beans	Oz (Vines + Shrub)	Beans per oz	Oz Beans	Oz Shrub	Oz Beans	Oz Vines
2	Missing														
4	Nearly Dry	3	2.1	54	8.2	331	5.7	2.5	1.24	6.13	58.1	2.28	2.72		
6	Missing														
8	Dry	2	1.6	38	5.6	244	4.0	1.6	1.25	6.42	61.0	2.50	2.50		
10	Dry	2	0.9	43	4.0	247	3.2	0.8	1.88	5.74	77.2	4.00	3.55		
12	Missing														
14	Dry	1	2.5	42	5.9	298	4.5	1.4	1.16	7.10	66.2	3.22	1.80		
16	Missing														
18	Dry	2	4.0	47	7.9	283	5.6	2.3	.89	6.02	50.5	2.44	1.60		
20	Dry	2	2.0	41	6.8	276	4.9	1.9	1.26	6.74	56.3	2.58	2.45		
22	Nearly Dry	1	2.3	53	10.3	355	6.5	3.2	1.18	6.70	54.6	2.03	2.83		
24	Missing														
26	Dry	3	0.9	26	3.5	150	2.5	1.0	1.32	5.76	60.0	2.50	2.78		
28	Dry	2	0.5	27	4.1	203	3.1	1.0	2.07	7.52	65.4	3.10	6.20		
30	Nearly Dry	1	2.8	77	9.4	502	6.5	2.9	1.14	6.54	77.6	2.24	2.32		
32	Missing														
34	Dry	1	0.1	11	0.8	58	0.6	0.1	3.00	5.27	96.8	6.00	6.00		
36	Dry	3	0.6	21	3.4	143	2.5	0.9	2.08	6.80	57.2	2.78	4.16		
38	Missing														
40	Dry	2	1.8	38	6.9	263	5.1	1.8	1.42	6.92	51.6	2.83	2.83		
42	Dry	2	0.5	39	4.1	207	2.9	1.2	1.71	7.14	71.4	2.42	5.80		
44	Missing														
46	Nearly Dry	1	1.1	38	7.8	276	5.5	2.3	1.62	7.26	50.2	2.39	5.00		
48	Dry	1	1.1	36	6.1	270	4.6	1.5	1.77	7.50	58.7	3.07	4.18		

Entire Row #7

	Mean	RMS	S.E.
Beans / Pod	6.60	.66	.17
Beans / oz	63.3	12.4	3.1
Oz beans / oz stalks	2.90	.96	.24
Oz beans / oz vines	3.55	1.50	.37
Oz beans / oz vines + stalks	1.56	.52	.13

15 Sept 59

Sums of Data on Row #7

	Normal Vines	Reversed Vines
Number of Vines	32	29
Ounces Vines	44.2	24.8
Number Pods	894	621
Ounces Pods	156.0	94.8
Number Beans	6325	4106
Ounces Beans	106.0	67.7
Ounces Shucks	50.1	26.4
O ₂ Beans		
O ₂ (Vines + Shucks)	23.67	24.99
<u>Beans</u>		
<u>Pods</u>	139.66	105.56
Beans per oz.	1201.4	1012.8
<u>O₂ Beans</u>		
<u>O₂ Shucks</u>	92.94	46.38
<u>O₂ Beans</u>		
<u>O₂ Vines</u>	55.47	56.72
Pods per vine		
Number Pods	20	16

after Drying Vines + Shucks

O ₂ (Vines + Shucks)	78.3	43.7
---------------------------------	------	------

15 Sept 1959

Row #7 Synopsis.

	Normal		Reversed		Reversed	
	Average of		Average of		% Increase	
	Hills	Group	Hills	Group	Hills	Group
Beans per Pod	6.98	7.08	6.60	6.62	-5	-6
Beans per Oz.	60.1	59.6	63.3	60.6	5	2
Ounces of Beans	2.12	2.11	2.90	2.57	37	22
Ounces of Vines	2.77	2.41	3.54	2.73	28	13
Ounces of Beans	1.18	1.12	1.56	1.32	32	18
Ounces of Vines plus Shucks						

after Damping Vines + Shucks

Ounces Beans
Ounces (Vines + Shucks)

1.35 1.55 15

17 Sept 59

	Row # 7	Normal	after buying Reversed.	Weighted Date ⁿ
Units + Sheeps				
Hills #1 - #18		25.3	16.0	17/9/59
Hills #19 - #32		18.8	14.8	18/9/59
Hills #33 - 49		<u>34.2</u>	<u>12.9</u>	19/9/59
Sums		78.3	43.7	

Hard Frost on

19 Sept 1959

4 am 29° + white frost. Clear & bright moon.

8 am. Still white frost in shadows.