

TABLE VI.—EFFECT OF DIFFERENT SEED TREATMENTS ON THE YIELD OF POTATOES AT ELKTON, FLORIDA, IN 1926.

Treatments†	No. of Replications	Stem Lesions	Calculated Yields Barrels per Acre			Increase by Treating					
			Primes	Seconds	Market-able	Primes		Seconds		Marketable	
						Barrels	Percent	Barrels	Percent	Barrels	Percent
A—LIQUID TREATMENTS:											
(2) Clean—corrosive sublimate.....	25	1.8	71.6	15.2	86.8	4.4	6.5	-0.7	-4.4	3.7	4.4
(1) Diseased—untreated.....	25	*11.8	67.2	15.9	83.1	....	....	....	....	odds	7.14:1
(3) Clean—untreated.....	7	2.9	63.7	18.0	81.7	-1.4	-2.2	0.6	3.4	-0.8	-1.0
(1) Diseased—untreated.....	7	....	65.1	17.4	82.5	....	....	....	....	odds	1.46:1
(4) Bag run**—corrosive sublimate.....	7	0.0	70.7	9.0	79.7	-0.3	-0.4	-6.6	-4.2	-6.9	-8.0
(1) Diseased—untreated.....	7	....	71.0	15.6	86.6	....	....	....	....	odds	1.46:1
(5) Uspulun—0.25% sol. 30 minutes....	7	2.9	69.8	14.5	84.3	4.7	7.2	-2.9	-16.7	1.8	2.2
(1) Diseased—untreated.....	7	....	65.1	17.4	82.5	....	....	....	....	odds	2.54:1
(6) Semesan—0.25% sol. 30 minutes....	7	2.9	71.9	12.4	84.3	6.8	10.4	-5.0	-28.7	1.8	2.2
(1) Diseased—untreated.....	7	....	65.1	17.4	82.5	....	....	....	....	odds	1.75:1
(7) Bayer comp.—0.25% sol. 30 min....	7	11.4	74.2	13.8	88.0	3.4	4.8	-2.0	-12.6	1.4	1.6
(1) Diseased—untreated.....	7	....	70.8	15.8	86.6	....	....	....	....	odds	1.46:1
(8) Cor. sub. and usp. (as above).....	7	7.1	69.4	12.4	81.8	4.3	6.6	-5.0	-28.7	-0.7	-0.9
(1) Diseased—untreated.....	7	....	65.1	17.4	82.5	....	....	....	....	odds	1.46:1
(9) Cor. sub. and Semesan (as above)....	7	0.0	62.6	11.7	74.3	-8.3	-11.7	-2.6	-18.2	-0.9	-1.1
(1) Diseased—untreated.....	7	....	70.9	14.3	85.2	....	....	....	....	odds	1.46:1
(10) Cor. sub. and Bay. comp. (as above)	7	2.9	76.0	13.1	89.1	6.3	9.0	-5.1	-28.0	1.2	1.4
(1) Diseased—untreated.....	7	....	69.7	18.2	87.9	....	....	....	....	odds	1.46:1
B—DUST TREATMENTS:											
(2) Clean corrosive sublimate.....	4	7.0	72.0	15.1	87.1	-1.4	-1.9	-3.1	-17.0	-4.5	-4.9
(1) Diseased—untreated.....	4	....	73.4	18.2	91.6	....	....	....	....	odds	1.88:1
(3) Clean—untreated.....	4	6.0	57.0	17.8	74.8	-15.8	-21.7	0.3	1.7	-15.5	-17.1
(1) Diseased—untreated.....	4	....	72.8	17.5	90.3	....	....	....	....	odds	108:1
(4) Bag run**—corrosive sublimate.....	4	0.0	78.6	11.7	90.3	4.3	5.8	-6.1	-34.2	-1.8	-2.0
(1) Diseased—untreated.....	4	....	74.3	17.8	92.1	....	....	....	....	odds	1.29:1
(5) Semesan dust 3 oz. per bushel.....	4	10.0	83.5	12.3	95.8	12.1	16.9	-6.2	-33.5	5.9	6.6
(1) Diseased—untreated.....	4	....	71.4	18.5	89.9	....	....	....	....	odds	6.70:1
(6) Duponts dust disinfectant No. 12...	4	0.0	75.8	13.0	88.8	1.6	2.2	-4.3	-24.9	-2.7	-2.9
(1) Diseased—untreated.....	4	....	74.2	17.3	91.5	....	....	....	....	odds	1.66:1
(7) Duponts dust disinfectant No. 37...	4	0.0	74.8	14.2	89.0	0.2	0.3	-4.0	-22.0	-3.8	-4.1
(1) Diseased—untreated.....	4	....	74.6	18.2	92.8	....	....	....	....	odds	1.46:1

*The general average of all untreated rows.

**A medium number of small sclerotia on 80% of the tubers.

†Only whole tubers were treated in these trials.