

TABLE X.—EFFECT OF DIFFERENT SEED TREATMENTS ON THE YIELD OF POTATOES AT FEDERAL POINT, FLORIDA, IN 1927.

Treatments*	Calculated Yields** Barrels per Acre			Increase by Treating								
	Primes	Seconds	Market- able	Barrels			Percent			Calculated Odds		
				Primes	Seconds	Market- able	Primes	Seconds	Market- able	Primes	Seconds	Market- able
Diseased—untreated.....	38.6	13.2	51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Corrosive sublimate.....	46.9	14.0	60.9	8.3	0.8	9.1	21.5	6.3	17.6	13.5:1	2.85:1	23.1:1
Diseased—untreated.....	48.3	13.4	61.7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dipdust, 1-24 dip.....	38.4	16.5	54.9	-9.9	3.1	-6.8	-20.5	23.1	-11.0	293.0:1	31.2:1	37.9:1
Diseased—untreated.....	40.3	15.0	55.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dipdust, 1-16 dip.....	34.1	12.9	47.0	-6.2	-2.1	-8.3	-15.4	-14.0	-15.0	3.99:1	25.9:1	7.1:1
Diseased—untreated.....	50.2	12.6	62.8	.....	.....	.....	.....	.....	.....	.....	.....	.....
Semesan Bel. 1-10 dip.....	42.2	13.8	56.0	-8.0	1.2	-6.8	-15.9	9.5	-10.8	7.13:1	2.62:1	6.6:1

*All of the tubers for the different lots were taken directly from the bags without sorting and on about half of the tubers were found a medium number of small sclerotia; all lots were treated after cutting except where corrosive sublimate was the treatment used.

**Each yield represents the average of 3 replications.

TABLE XI.—EFFECT OF DIFFERENT SEED TREATMENTS ON THE NUMBER OF POTATOES PRODUCED AT FEDERAL POINT, FLORIDA, IN 1927.

Treatments*	No. of Repli- cations	Tubers When Treated	Stand Percent	Calculated No. of Tubers per 50 Hills		Increase by Treating						
				Primes	Seconds	Tubers		Percent		Calculated Odds		
						Primes	Seconds	Primes	Seconds	Primes	Seconds	
Diseased—untreated.....	3	W	99.2	113.8	94.7
Corrosive sublimate.....	3		97.2	147.4	98.7	33.6	4.0	29.5	4.2	29.0:1	2.39:1	
Diseased—untreated.....	3	C	92.0	152.7	96.2
Dipdust, 1-24 dip.....	3		95.2	117.2	114.5	-35.5	18.3	-23.3	19.0	9,999.0:1	51.1:1	
Diseased—untreated.....	3	C	96.6	130.2	104.4
Dipdust, 1-16 dip.....	3		88.6	109.7	94.9	-20.5	-9.5	-15.7	-9.1	3.69:1	6.69:1	
Diseased—untreated.....	3	C	97.2	156.5	86.4
Semesan Bel. 1-10 dip.....	3		99.2	134.8	94.0	-21.7	7.6	-13.9	8.8	9.16:1	2.85:1	

*No scab or appreciable amount of rhizoctonia, either in the form of stem lesions, "rhizoctonia hills", or sclerotia on the tubers were observed in the plot, and practically all of the seed pieces were sound at digging time.