

TABLE IV.—EFFECT OF DIFFERENT SEED TREATMENTS ON SEED-PIECE DECAY, STEM LESIONS AND YIELD OF POTATOES AT FEDERAL POINT, FLORIDA, IN 1926.

Treatment	Tubers When Treated	Percent		Calculated Yields† Barrels per Acre			Increase by Treating					
		Seed-Piece Decay	Stem Lesions	Primes	Seconds	Market-able	Barrels			Percent		
							Primes	Seconds	Market-able	Primes	Seconds	Market-able
(1) Diseased—untreated...	..	2.7	14.3	21.2	17.8	39.0	....	....	....	....	....	....
(2) Bayer compound*.....	C**	4.0	12.0	19.5	15.5	35.0	-1.7	-2.3	-4.0	-8.0	-12.9	-10.2
(3) Bayer compound*.....	W	2.0	11.7	23.7	17.1	40.8	2.5	-7	1.8	11.8	-3.9	4.6
(4) Semesan compound*....	C	9.0	5.0	17.5	11.9	29.4	-3.7	-5.9	-9.6	-17.5	-33.1	-24.1
(5) Semesan compound*....	W	7.0	4.7	14.7	13.1	27.8	-6.5	-4.7	-11.2	-30.6	-26.4	-28.7

*Used as a 0.25 percent solution for 30 minutes.

**C = tubers treated after cutting; W = whole tubers treated.

†Averages of 6 replications for each lot.

TABLE V.—EFFECT OF DIFFERENT SEED TREATMENTS ON THE NUMBER OF POTATOES PRODUCED AT FEDERAL POINT, FLORIDA, IN 1926.

Treatment	No of Replications	Condition of Tubers When Treated	Number of Tubers per 50 Hills			Increase by Treating					
			Primes	Seconds	Market-able	Tubers			Percent		
						Primes	Seconds	Market-able	Primes	Seconds	Market-able
(1) Diseased—untreated...	6	.....	81.5	124.3	205.8	....	....	....	....	....	....
(2) Bayer Compound*.....	6	Cut.....	75.7	110.2	185.9	-5.8	-14.1	-19.9	-7.1	-11.3	-9.2
(3) Bayer compound.....	6	Whole...	85.4	115.8	201.2	3.9	-8.5	-4.6	4.8	-6.8	-2.2
(4) Semesan compound....	6	Cut.....	63.6	78.5	142.1	-17.9	-45.8	-63.7	-22.0	-36.8	-31.4
(5) Semesan compound....	6	Whole....	54.0	86.8	140.8	-27.5	-37.5	-65.0	-33.7	-30.2	-31.6

*Treatment as shown in Table IV.