

I.—Results obtained from heads of flowers kept under bags.

A glance at the foregoing table reveals large variations in the percentage of germination of the seeds tested in the germinator, as in lot X for instance. With a view to eliminate the risk of errors, or of possible faulty manipulations in the laboratory, we will now examine the averages:—

TABLE II.

Number	Germinator		Artificial soil
	6 days	14 days	21 days
X. Capsules fertilized and ripened under bags.			
	p. c.	p. c.	p. c.
661.....	39	53	72
662.....	23	37	66
663.....	13	24	64
	74	114	202
	$\frac{74}{3} = 24.66$	$\frac{114}{3} = 38$	$\frac{202}{3} = 67.33$
XX. Capsules fertilized and ripened in the open air.			
664.....	70	83	84
665.....	78	89	73
666.....	21	31	83
667.....	60	66	79
668.....	22	35	81
669.....	2	4	85
	253	308	485
	$\frac{253}{6} = 42.16$	$\frac{308}{6} = 51.33$	$\frac{485}{6} = 80.83$
XXX. Capsules fertilized under bags and ripened in the open air.			
670.....	61	78	84
671.....	46	76	84
672.....	56	68	78
673.....	18	33	83
674.....	2	13	70
675.....	60	79	80
	243	347	479
	$\frac{243}{6} = 40.50$	$\frac{347}{6} = 57.83$	$\frac{479}{6} = 79.83$

The percentage of germinating seeds is, in every case, very much lower for the capsules fertilized and ripened under bags. The percentages given by lots XX and XXX are very nearly equal.

It may be inferred from Table II that fertilization under bags is an excellent method of securing selected seeds, but in order to obtain a good yield of seeds the capsules should be uncovered as soon as the fertilization is completed. At this time, the plant should be watched with the greatest care in order to prevent the formation and the pollination of new flowers.