

3. Oats. per hectare:

Locality	Soil	Check		N.		P.		N. P.	
		Grain	Straw	Grain	Straw	Grain	Straw	Grain	Straw
Ein Harod	Heavy Clay	1520	4850					2020	6060
Tel Adasim	" "	960	3000	1320	3930			1980	6000

Causes of the low Almond-Yield 1925—26.

by D. Oppenheim

During the hot dry period after the first autumn rains of 1925, the almond trees in Rehoboth developed new leaves. In order to investigate the influence of this phenomena on the development of the flowers, one half of the foliage was removed from three trees. As a result these have produced blossoms about two weeks earlier than the other portions of the same trees. From this it may be concluded that the flowering period in the spring may be delayed by the development of new leaves in the previous autumn. Not each variety shows the same tendency to produce new autumn leaves; it is more marked for example in the „Greek“ variety than in the „Victoria“. Possibly this may explain the abnormal difference (more than 2 weeks) in the flowering periods of the two varieties, which makes it difficult to obtain satisfactory polination between them.

The poor almond yield of 1926 (about 30% of the normal yield) may in part be due to the development of new leaves in the autumn of 1925.

Illustration Fields Results with Cabbages and Cauliflowers.

1. Fertilizers. Yields in kgs. per hectare.

Locality	Crop	Or. Man 60 tons	Ar. Man 60 t.	Or. Man	Ar. Man	P.K.N. 300 kgs.	Check
				60 t. + P.K.N. 300 Kgs.	60 t. + P.K.N. 300 kgs.		
Sch. Borochoy	Cabbage	23,860*		22,430**		24,930	10,550
Ein Harod	"	19,980	19,150	20,410	25,020	19,980	1,530
Ein Harod	Cauli- flower	17,550	15,620		16,290	15,200	820

Or. Man = Organic Manure; Ar. Man. = Arab Manure; P. = Double Superphosphate; N. = Chili Salpeter; K. = Potassium-Sulphate.

*) Or. Man 80 t. **) Or. Man 40 t.

2) Cabbage, varieties and times of planting.

Figures in kgs. per hectare.

Variety	Date of Planting				
	12.X	19.XI	23.XI	18.XII	27.XII
„Braunschweig“	18 480	18,640	42,160	23,520	15,120
„Italienische“		19,480		17,000	16,330
„Amager“		24 360		17,470	21,840

3) Cauliflower: Varieties.

Variety	Period of growth Days	Yield in kgs per ha
„Erfurter Zwerg“	84 — 118	11,270
„Schneeball“	84 — 118	13,970
Italienische“	84 — 115	9,660
„Malta“	89 — 120	13,850

Yield of Alexandrian Clover under irrigation in the Jordan Valley and the Valley of Jezreel.

Green Fodder in kgs. per hectare.

Locality	Number of cuttings						
	I	II	III	IV	V	VI	VII
Daganiah B. 1	5,000	7,000	11,000	18,000	15,000	15,000	250 Seed
„ 2	15,000	25,000	24,000	25,000	18,000	250 Seed	
„ 3	14,000	21,000	20,000	23,000	18,900	„	
Ein Harod 1	6,000	20,000	16,000	12,000	6,000	6,000	350 Seed
„ 2	5,300	16,800	12,300	9,000	5,700	7,150	„