

Illustration of Kilayim 5:5

Each circle represents a circle of radius 16 amos around grain/green in a vineyard.
Numbers in each grid represent distance of vine from grain/green.

4 Amos apart

45 total vines within 16 amos radius

	-5	-4	-3	-2	-1	0	1	2	3	4	5
-5	28.3	25.6	23.3	21.5	20.4	20.0	20.4	21.5	23.3	25.6	28.3
-4	25.6	22.6	20.0	17.9	16.5	16.0	16.5	17.9	20.0	22.6	25.6
-3	23.3	20.0	17.0	14.4	12.6	12.0	12.6	14.4	17.0	20.0	23.3
-2	21.5	17.9	14.4	11.3	8.9	8.0	8.9	11.3	14.4	17.9	21.5
-1	20.4	16.5	12.6	8.9	5.7	4.0	5.7	8.9	12.6	16.5	20.4
0	20.0	16.0	12.0	8.0	4.0	0.0	4.0	8.0	12.0	16.0	20.0
1	20.4	16.5	12.6	8.9	5.7	4.0	5.7	8.9	12.6	16.5	20.4
2	21.5	17.9	14.4	11.3	8.9	8.0	8.9	11.3	14.4	17.9	21.5
3	23.3	20.0	17.0	14.4	12.6	12.0	12.6	14.4	17.0	20.0	23.3
4	25.6	22.6	20.0	17.9	16.5	16.0	16.5	17.9	20.0	22.6	25.6
5	28.3	25.6	23.3	21.5	20.4	20.0	20.4	21.5	23.3	25.6	28.3

5 Amos apart

37 total vines within 16 amos radius.
37 But we forbid 45 because of how it looks (see Tos. Yom Tov.)

	-5	-4	-3	-2	-1	0	1	2	3	4	5
-5	35.4	32.0	29.2	26.9	25.5	25.0	25.5	26.9	29.2	32.0	35.4
-4	32.0	28.3	25.0	22.4	20.6	20.0	20.6	22.4	25.0	28.3	32.0
-3	29.2	25.0	21.2	18.0	15.8	15.0	15.8	18.0	21.2	25.0	29.2
-2	26.9	22.4	18.0	14.1	11.2	10.0	11.2	14.1	18.0	22.4	26.9
-1	25.5	20.6	15.8	11.2	7.1	5.0	7.1	11.2	15.8	20.6	25.5
0	25.0	20.0	15.0	10.0	5.0	0.0	5.0	10.0	15.0	20.0	25.0
1	25.5	20.6	15.8	11.2	7.1	5.0	7.1	11.2	15.8	20.6	25.5
2	26.9	22.4	18.0	14.1	11.2	10.0	11.2	14.1	18.0	22.4	26.9
3	29.2	25.0	21.2	18.0	15.8	15.0	15.8	18.0	21.2	25.0	29.2
4	32.0	28.3	25.0	22.4	20.6	20.0	20.6	22.4	25.0	28.3	32.0
5	35.4	32.0	29.2	26.9	25.5	25.0	25.5	26.9	29.2	32.0	35.4

6 Amos apart

21 total vines within 16 amos radius

	-5	-4	-3	-2	-1	0	1	2	3	4	5
-5	42.4	38.4	35.0	32.3	30.6	30.0	30.6	32.3	35.0	38.4	42.4
-4	38.4	33.9	30.0	26.8	24.7	24.0	24.7	26.8	30.0	33.9	38.4
-3	35.0	30.0	25.5	21.6	19.0	18.0	19.0	21.6	25.5	30.0	35.0
-2	32.3	26.8	21.6	17.0	13.4	12.0	13.4	17.0	21.6	26.8	32.3
-1	30.6	24.7	19.0	13.4	8.5	6.0	8.5	13.4	19.0	24.7	30.6
0	30.0	24.0	18.0	12.0	6.0	0.0	6.0	12.0	18.0	24.0	30.0
1	30.6	24.7	19.0	13.4	8.5	6.0	8.5	13.4	19.0	24.7	30.6
2	32.3	26.8	21.6	17.0	13.4	12.0	13.4	17.0	21.6	26.8	32.3
3	35.0	30.0	25.5	21.6	19.0	18.0	19.0	21.6	25.5	30.0	35.0
4	38.4	33.9	30.0	26.8	24.7	24.0	24.7	26.8	30.0	33.9	38.4
5	42.4	38.4	35.0	32.3	30.6	30.0	30.6	32.3	35.0	38.4	42.4

7 Amos apart

21 total vines within 16 amos radius

	-5	-4	-3	-2	-1	0	1	2	3	4	5
-5	49.5	44.8	40.8	37.7	35.7	35.0	35.7	37.7	40.8	44.8	49.5
-4	44.8	39.6	35.0	31.3	28.9	28.0	28.9	31.3	35.0	39.6	44.8
-3	40.8	35.0	29.7	25.2	22.1	21.0	22.1	25.2	29.7	35.0	40.8
-2	37.7	31.3	25.2	19.8	15.7	14.0	15.7	19.8	25.2	31.3	37.7
-1	35.7	28.9	22.1	15.7	9.9	7.0	9.9	15.7	22.1	28.9	35.7
0	35.0	28.0	21.0	14.0	7.0	0.0	7.0	14.0	21.0	28.0	35.0
1	35.7	28.9	22.1	15.7	9.9	7.0	9.9	15.7	22.1	28.9	35.7
2	37.7	31.3	25.2	19.8	15.7	14.0	15.7	19.8	25.2	31.3	37.7
3	40.8	35.0	29.7	25.2	22.1	21.0	22.1	25.2	29.7	35.0	40.8
4	44.8	39.6	35.0	31.3	28.9	28.0	28.9	31.3	35.0	39.6	44.8
5	49.5	44.8	40.8	37.7	35.7	35.0	35.7	37.7	40.8	44.8	49.5