



MACXIZE LIGHTED CULTIVATION 2019/2020

Sowing date: 28-08-2019
Graft date: 11-09-2019
Sowing date: 11-10-2019
Plant distance 2.5 m²
Plant distance week 1 3,3 m²

Variety	Total kg m ²	Total fruit weigth	Brix	Hardness harvest	Hardness 10 days	Length
Macxize	106,14	197	3,47	85	70	10,41
Merlice	95,47	174	3,47	85	68	9,25

MACXIZE VS MERLICE +2 KG M²

Labor Standards TOV Netherlands					
Procedings:	€ / Hours	Standard Heads / Hour Harvest / Kg / Hour	Amount Heads / m ²	€ / Head € / Kg	€ / m ² / Week
Lowering plants Merlice	€ 21,00	2000	3,75	€ 0,011	€ 0,039
Lowering plants Macxize	€ 21,00	2000	3,75	€ 0,011	€ 0,039
Twisting Merlice	€ 21,00	1050	3,75	€ 0,020	€ 0,075
Twisting Macxize	€ 21,00	1050	3,75	€ 0,020	€ 0,075
Truss prunning Merlice	€ 21,00	1950	3,75	€ 0,011	€ 0,040
Truss prunning Macxize	€ 21,00	1950	3,75	€ 0,011	€ 0,040
Cutting leaves (3 leaves) Merlice	€ 21,00	950	3,75	€ 0,022	€ 0,083
Cutting leaves (3 leaves) Macxize	€ 21,00	950	3,75	€ 0,022	€ 0,083
Harvest Merlice	€ 21,00	475	-	€ 0,044	-
Harvest Macxize	€ 21,00	475	-	€ 0,044	-

Processed data :			
Variety:	Kg / m ²	Amount trusses	Plant lenght
Merlice	90	36	11,50
Macxize	92	37,5	13,00
Difference	2,0	1,5	1,50

Labor costs / Year / m ²						Costs not labor related such as biology, packhouse, etc	Total costs
Variety:	Lowering	Cutting leaves	Truss prunning	Twisting	Harvest		
Merlice	€ 0,94	€ 2,65	€ 1,45	€ 3,38	€ 3,98	€ 5,00	€ 17,40
Macxize	€ 1,07	€ 2,78	€ 1,51	€ 3,38	€ 4,07	€ 5,00	€ 17,81
Difference	€ 0,13	€ 0,12	€ 0,06	€ 0,00	€ 0,09	€ 0,00	€ 0,41

Return Axia variety						
Variety:	Cost price / Labor a / Kg	Return a / Kg	Average price of 5 year	Revenue /m ²	Revenu Axia variety a / m ²	Revenue Axia variety at 10 Hectares
Merlice	€ 0,193		0,82	€ 73,80		
Macxize	€ 0,194		0,82	€ 75,44		
Difference	€ 0,000	€ 0,013		€ 1,64	€ 1,23	€ 123.242,70

MACXIZE VS MERLICE +4 KG M²

Labor Standards TOV Netherlands					
Procedings:	€ / Hours	Standard Heads / Hour Harvest / Kg / Hour	Amount Heads / m ²	€ / Head € / Kg	€ / m ² / Week
Lowering plants Merlice	€ 21,00	2000	3,75	€ 0,011	€ 0,039
Lowering plants Macxize	€ 21,00	2000	3,75	€ 0,011	€ 0,039
Twisting Merlice	€ 21,00	1050	3,75	€ 0,020	€ 0,075
Twisting Macxize	€ 21,00	1050	3,75	€ 0,020	€ 0,075
Truss prunning Merlice	€ 21,00	1950	3,75	€ 0,011	€ 0,040
Truss prunning Macxize	€ 21,00	1950	3,75	€ 0,011	€ 0,040
Cutting leaves (3 leaves) Merlice	€ 21,00	950	3,75	€ 0,022	€ 0,083
Cutting leaves (3 leaves) Macxize	€ 21,00	950	3,75	€ 0,022	€ 0,083
Harvest Merlice	€ 21,00	475	-	€ 0,044	-
Harvest Macxize	€ 21,00	475	-	€ 0,044	-

Processed data :			
Variety:	Kg / m ²	Amount trusses	Plant lenght
Merlice	90	36	11,50
Macxize	94	37,5	13,00
Difference	4,0	1,5	1,50

Labor costs / Year / m ²						Costs not labor related such as biology, packhouse, etc	Total costs
Variety:	Lowering	Cutting leaves	Truss prunning	Twisting	Harvest		
Merlice	€ 0,94	€ 2,65	€ 1,45	€ 3,38	€ 3,98	€ 5,00	€ 17,40
Macxize	€ 1,07	€ 2,78	€ 1,51	€ 3,38	€ 4,16	€ 5,00	€ 17,90
Difference	€ 0,13	€ 0,12	€ 0,06	€ 0,00	€ 0,18	€ 0,00	€ 0,50

Return Axia variety						
Variety:	Cost price / Labor a / Kg	Return a / Kg	Average price of 5 year	Revenue /m ²	Revenu Axia variety a / m ²	Revenue Axia variety at 10 Hectares
Merlice	€ 0,193		0,82	€ 73,80		
Macxize	€ 0,190		0,82	€ 77,08		
Difference	-€ 0,003	€ 0,030		€ 3,28	€ 2,78	€ 278.400,59