

## Comparison of costs of production for Maize and Cup-plant in Euros per hectare (€/ha); harvest 2014

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	<b>Silomaize</b>	<b>Silomaize</b>	<b>Silomaize</b>	<b>Cup-plant</b>	<b>Cup-plant</b>	<b>Cup-plant</b>
Yield	minor yield	medium yield	high yield	minor yield	medium yield	high yield
				2 x watering in first year		
years of production	annual			15 years of production		
fresh biomass tons/ha	43.5	50.0	58.0	46.5	53.5	62.0
dry matter (DM) %	31	31	31	29	29	29
yield DM tons /ha netto	<b>13.5</b>	<b>15.5</b>	<b>18</b>	<b>13.5</b>	<b>15.5</b>	<b>18</b>
<b>variable cost of production:</b>						
seeds / plantlets	281	281	281	213	213	213
<b>fertilization</b>						
Nitrogen	182	197	210	109	122	137
Phosphorus	73	84	98	24	29	33
Potassium	195	224	260	194	226	259
<b>plant pest protection</b>	79	79	79	4	4	4
<b>variable engine costs incl. harvesting</b>	599	662	739	511	577	658
<b>costs of silage</b>	42	48	56	45	52	60
<b>insurance</b>	22	23	24	20	21	22
<b>sum of variable costs</b>	<b>1474</b>	<b>1599</b>	<b>1748</b>	<b>1120</b>	<b>1245</b>	<b>1387</b>
+ subsidies	45	45	45	45	45	45
+ subsidies (Bavaria)						
+ subsidies (European Union)	300	300	300	300	300	300
<b>variable costs with subsidies</b>	<b>1129</b>	<b>1254</b>	<b>1403</b>	<b>775</b>	<b>900</b>	<b>1042</b>
hours of manpower/ha	9.3	9.5	9.7	5.2	5.4	5.6
<b>variable cost recovery/hours of manpower</b>	<b>121</b>	<b>132</b>	<b>145</b>	<b>149</b>	<b>167</b>	<b>186</b>
<b>+ correction methane yield</b>				<b>320</b>	<b>320</b>	<b>320</b>
<b>- correction reduction of man power</b>				<b>60</b>	<b>60</b>	<b>60</b>
<b>+ correction loss of subsidies of first year</b>				<b>35</b>	<b>35</b>	<b>35</b>
<b>final costs €/ha</b>	<b>1129</b>	<b>1254</b>	<b>1403</b>	<b>1070</b>	<b>1195</b>	<b>1337</b>