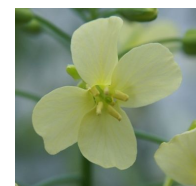


## SilverShadow



Spring oilseed rape / spring canola listed in Denmark in 2012 and in the EU in 2013.  
Breeder: Knold + Top aps. Representative: Nordic Seed A/S.

**SilverShadow** (= Top 430) is a double low spring oilseed rape [canola] with cream colored flowers. The variety is open pollinated [an inbred line]. **Plant height and resistance to lodging:** Medium. **Maturity:** Medium to late. **Oil content:** High to very high. **Protein content:** Low. **Level of glucosinolates:** Very low [5 – 8 µmoles/g seed in 2011 and 2012].

**Pedigree:** [Hobson/5 varieties]/Pluto/Pluto

Results from the Danish Official Trials 2011, 2012 [3 locations each year] and FUT 2013 [2 locations]

	Gross output [yield adjusted for oil content] as % of control = Variety mixture			Oil content		
	2011	2012	2013	2011	2012	2013
Yield, 100 =	28.7 hkg/ha	31.0 hkg/ha	33.8 hkg/ha	%	%	%
Variety mixture*	100	100	100	46.5	49.1	45.2
SilverShadow [L]	95	101	109	46.2	48.2	47.1
Brando [H]	94	99		44.9	48.1	
Mosaik [L]	86	101	96	45.4	49.1	43.6

\*] Variety mixture = Osorno [H] + Sinika[H] + Fenja [L] + Bella [L]

L = line / open pollinated, H = hybrid

In 2011 + 2012 SilverShadow was the highest yielding line variety in the Danish Official Trials and F.U.T.  
In 2013 SilverShadow was the highest yielding variety in the Danish Farmers Union Trials [FUT].

Fatty acid composition in oil from SilverShadow [Danish official trials 2011]:

Fatty acid	%
Oleic acid - C 18:1	62.4
Linolic acid - C18: 2	20.9
Linolenic acid - C18:3	9.8
Erucic acid - C 22:1	0

Agronomy [data from Danish Official Trials / Farmers Union Trials 2011 - 2012]

	Plant height [cm]		Lodging 0-10, 10=flat		Start flowering [DD-MM]		Maturity date [DD-MM]		Seed weight, mg	
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
Variety mixture	139	118	7.0	0	14-06	18-06	18-08	29-08	3.6	4.3
SilverShadow	134	116	6.5	0	15-06	19-06	22-08	25-08	3.6	4.5
Brando [H]	138	128	7.0	0	17-06	22-06	18-08	29-08	3.4	4.0
Mosaik [L]	134	122	5.0	0	18-06	20-06	18-08	21-08	3.7	4.6



SilverShadow can be damaged by the herbicide "Command" [= 360 g/l clomazon] when Command is used in high amounts, especially on light soil [sandy soils] when the spring is wet and cool. SilverShadow tolerates "Command" in low and medium amounts.

Gourmet oil:

SilverShadow can also be used for producing gourmet oil as the cold pressed; unrefined oil from SilverShadow has a milder taste than cold pressed oil from most other rapeseed varieties.