

Witt



Winter oilseed rape / winter canola listed in Denmark and the EU in 2013.

Breeder: Knold + Top ApS. Representative: Nordic Seed A/S.

Witt [=Top 16] is a double low winter oilseed rape [canola] with white flowers. The variety is open pollinated [an inbred line]. **Plant height:** Medium to high. **Start of flowering:** Medium. **Maturity:** Early to medium. **Resistance to lodging:** Good. **Oil content:** High. **Protein content:** Medium. **Level of glucosinolates:** Low, 13.7 $\mu\text{moles/g}$ seed [mean of 2011 and 2012]. Description: The Danish Variety List.

Pedigree: [complex crossings]/Caracas/Labrador

Witt is best adapted to medium and early sowing dates. Witt is very easy to harvest almost like cereals.

Results from the Danish Official trials 2011 and Farmers Union Trials year 2012 and 2013:

| | Gross output [yield adjusted for oil content] as % of control = Variety mixture | | | Oil content | | |
|------------------|---|-------------|-------------|-------------|------|------|
| | 2011 | 2012 | 2013 | 2011 | 2012 | 2013 |
| Yield, 100 = | 49.8 hkg/ha | 52.7 hkg/ha | 54.5 hkg/ha | % | % | % |
| Variety mixture* | 100 | 100 | 100 | 47.8 | 49.6 | 49.5 |
| Witt [L] | 95 | 95 | 100 | 48.5 | 49.1 | 48.6 |
| Sesame [L] | 107 | 98 | 106 | 47.5 | 50.0 | 50.1 |
| Noblesse [L] | 106 | 96 | 101 | 48.6 | 50.6 | 50.4 |

*) Variety mixture 2011: Excalibur [H] +PR46W14[H] +DK Casper [L] + ES Astrid [L]. L = line, H = hybrid, P = population

*) 2012: Excalibur [H] +PR46W14[H] + Sesame [L] + Vision [P].

2013: Alabaster [H]+PR46W21[H] + Sesame [L] + ES Astrid [L]

Fatty acid composition in seeds of Witt [Danish Official Trials]

| Fatty acid | % [2011] | % [2012] |
|------------------------|----------|----------|
| Oleic acid - C 18:1 | 56.4 | 56.3 |
| Linolic acid - C18:2 | 24.8 | 24.2 |
| Linolenic acid - C18:3 | 10.3 | 11.1 |
| Erucic acid - C 22:1 | 0 | 0 |

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

| | Plant height [cm] | | Lodging 0-10, 10=flat | | Start flowering, date [DD-MM] | | Maturity date [DD-MM] | | Seed weight, mg | |
|-----------------|-------------------|------|-----------------------|------|-------------------------------|-------|-----------------------|-------|-----------------|------|
| | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 |
| Variety mixture | 145 | 140 | none | 1.1 | 05-05 | 25-04 | 15-07 | 14-07 | 5.6 | 4.6 |
| Witt [L] | 144 | 135 | none | 1.6 | 02-05 | 24-04 | 17-07 | 12-07 | 5.9 | 5.1 |
| Sesame [L] | 148 | 144 | none | 0.6 | 05-05 | 27-04 | 15-07 | 15-07 | 5.4 | 4.8 |
| Noblesse [L] | 145 | 130 | none | 0.4 | 05-05 | 27-04 | 19-07 | 16-07 | 5.5 | 4.4 |