

A power-packed sunflower package

By Corné van der Westhuizen

South African producers can plant Pannar's sunflower range with peace of mind, knowing that these hybrids possess the best genetic potential and technology on the market.

Pannar's sunflower hybrid package performs well across all the sunflower production regions of South Africa. Its comprehensive package includes a complete range of conventional and Clearfield® Plus hybrids and delivers excellent, stable performance and outstanding risk management.

Hybrid performance

Pannar's range of high-yielding hybrids maintains an outstanding performance record in the field trials of the Agricultural

Table 1: Yield probability as a percentage of yield potential (stability).

Hybrid	Yield potential (tons/ha) for 2017/18					
	1	1,5	2	2,5	3	3,5
PAN 7080	20	35	46	64	78	87
PAN 7100	43	57	70	82	88	93
PAN 7102CLP	57	59	59	61	61	62
PAN 7156CLP	61	61	59	58	55	54
PAN 7160CLP	92	94	95	95	94	93

* Percentages in boldface indicate exceptional stability.

Table 2: Yield probability as an average of the 2016/17 and 2017/18 seasons.

Hybrid	Yield potential (tons/ha) for 2016/17 and 2017/18					
	1	1,5	2	2,5	3	3,5
PAN 7080	17	27	40	56	70	82
PAN 7100	41	50	60	70	78	84
PAN 7102CLP	31	40	50	62	71	79
PAN 7156CLP	71	68	62	57	50	45
PAN 7160CLP	78	80	83	85	86	86

* Percentages in boldface indicate exceptional stability.

Research Council (ARC). Proven leaders in stability, these hybrids have delivered five out of the top ten hybrids for three consecutive years.

The conventional and Clearfield® Plus sunflower package is renowned for its performance and stability.

Table 1 shows the yield probability as a percentage of the 2017/18 season, while Table 2 shows it as an average of the 2016/17 and 2017/18 seasons. It provides a good indication of the hybrids' anticipated stability and reliability.

Hybrid recommendations

Choosing a suitable hybrid package is one of the most critical and challenging management decisions farmers make each year. It is important to choose proven performers based on data from multiple years and trials across a large homogeneous area, to rule out variation and improve performance forecasts.

Yield, stability and risk-hedging all play an important role when selecting a hybrid. This is complemented by a hybrid's agronomic traits and disease risk profile. Select a hybrid package with a variety of growth classes to diversify risk, and phase in new hybrids gradually. Requirements for hybrids differ from region to region.

Table 3: Recommendations for sunflower hybrids.

	Clearfield® Plus hybrids	Conventional hybrids
Northwestern Free State (Topsoil <10% clay)	PAN 7160CLP	PAN 7080
	PAN 7102CLP	PAN 7100
	PAN 7156CLP	
North West and Limpopo (Topsoil >10% clay)	PAN 7160CLP	PAN 7100
	PAN 7102CLP	PAN 7057
	PAN 7156CLP	PAN 7080
Cooler, temperate production regions	PAN 7160CLP	PAN 7080
	PAN 7102CLP	
	PAN 7156CLP	

- **Northwestern Free State (topsoil <10% clay):** High-potential hybrids PAN 7080 and PAN 7160CLP serve as core plantings in the light sandy soil of the northwestern Free State and North West. These are complemented by PAN7100 or PAN 7102CLP.
- **North West and Limpopo (topsoil >10% clay):** In the western and Limpopo production regions, the conventional hybrid PAN 7100 and the Clearfield® Plus hybrid PAN 7160CLP are recommended as the main plantings. PAN 7080 and PAN 7057 as conventional hybrids and PAN 7156CLP as Clearfield® Plus hybrid, respectively, can be used as a package with each of the main hybrids.
- **Cooler, temperate production regions:** Clearfield® Plus hybrids PAN 7160CLP and PAN 7102CLP are recommended as the core hybrids in the cooler, temperate production region. If a conventional hybrid is planted, PAN 7080 is the best choice, if planted on time.

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