

# FISHER



Unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material of this variety is an infringement under the *Plant Breeder's Rights Act 1994*

## 1. Type

- Fisher is a Virginia-Type peanut introduced from the USA to Australia by the Peanut Company of Australia Ltd. It has Hi-Oleic oil chemistry, which provides better shelf life and quality in comparison to normal oleic varieties.

## 2. Growth Habit

- Fisher's growth habit is considered to be semi-erect.

## 3. Seed/Pod Characteristics

- Fisher produces very large cream coloured Virginia-size kernels.

## 4. General Agronomy

### a) Yield

- Fisher is considered our highest yielding Virginia variety, and can produce some excellent grades. It performs best under full irrigation but can produce acceptable yields and grades under dryland.

### b) Planting Rate

**These rates are based on using Enhanced Seed with a Precision Planter**

	Dryland (Sth Qld)	Irrigated (Sth Qld)
Seeds/ha	80,000	140,000 – 160,000
Seeds/metre		
» 92 cm rows (36")	7.3	13-15
» 101 cm rows (40")	8.1	15-17
Seed spacing		
» 92 cm rows (36")	13.7 cm (5.4")	8.3 – 7.1 cm (3.3" – 2.8")
» 101 cm rows (40")	12.3 cm (4.8")	7.7 – 6.7 cm (3.0" – 2.6")

**c) Nutrition**

- The nutritional requirement of Fisher is similar to other current commercial varieties.
- Requirements for calcium and boron are high. Marginal levels of available calcium and boron in the podding zone will result in an increase in the number of pops, splits and also increase the amount of hollow hearts.
- **PCA recommends soil testing and consultation with peanut agronomists to determine both the timing and application rates of calcium and boron.**

**d) Disease susceptibility**

- Fisher has some tolerance to net blotch and leaf spot, but is highly susceptible to leaf rust. A regular fungicide program will help to ensure foliar diseases are not a limiting factor for yield or quality.
- Fisher displays a moderate level of tolerance to Sclerotinia (*Sclerotinia minor*) and CBR.

**e) Maturity and Harvesting**

- Time to maturity is approximately 150 to 160 days depending on season and time of sowing.
- Assessing maturity should be undertaken using the hull scrape and shell out method.

**f) Marketing**

- Fisher is well suited to the in-shell and snack food markets.
- Taste profile of Fisher is similar to other commercial varieties.

**g) Grades \***

Grade (%)	Fisher	Wheeler	Middleton
J	32	14	10
1	15	21	23
2	11	18	20
Splits (5)	12	12	12
MFG (7)	1	3	4
Oil	6	8	8
Shell	23	24	23

The table above illustrates comparative grades (%) against Middleton and Wheeler. Results can vary considerably with management and seasonal conditions.

\* These data averages are based on commercial production.

*For more information, please contact PCA on 07 4162 6311.*

**PEANUT COMPANY OF AUSTRALIA**

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