

The **tried and tested** high yielding yellow pea with **excellent** protein content

SEEDING
THE FUTURE
SINCE 1856

KWS



MANAGER

Spring Yellow (White) Pea



- Best combination of field yield and protein yield of the yellow peas on the 2024 Descriptive List
- Medium height and stiff strawed to ensure a safe harvest
- Good disease package including resistance to Pea wilt

Manager is a tried and tested yellow pea variety that has delivered on many UK farms across a range of sites and seasons.

It has a strong disease resistance package including resistance to pea wilt and scores well for the other key diseases in peas such as downy mildew (6) and powdery mildew (moderate resistance). It has shorter, stiff straw allowing safe harvest making it the next step up from older competitor varieties.

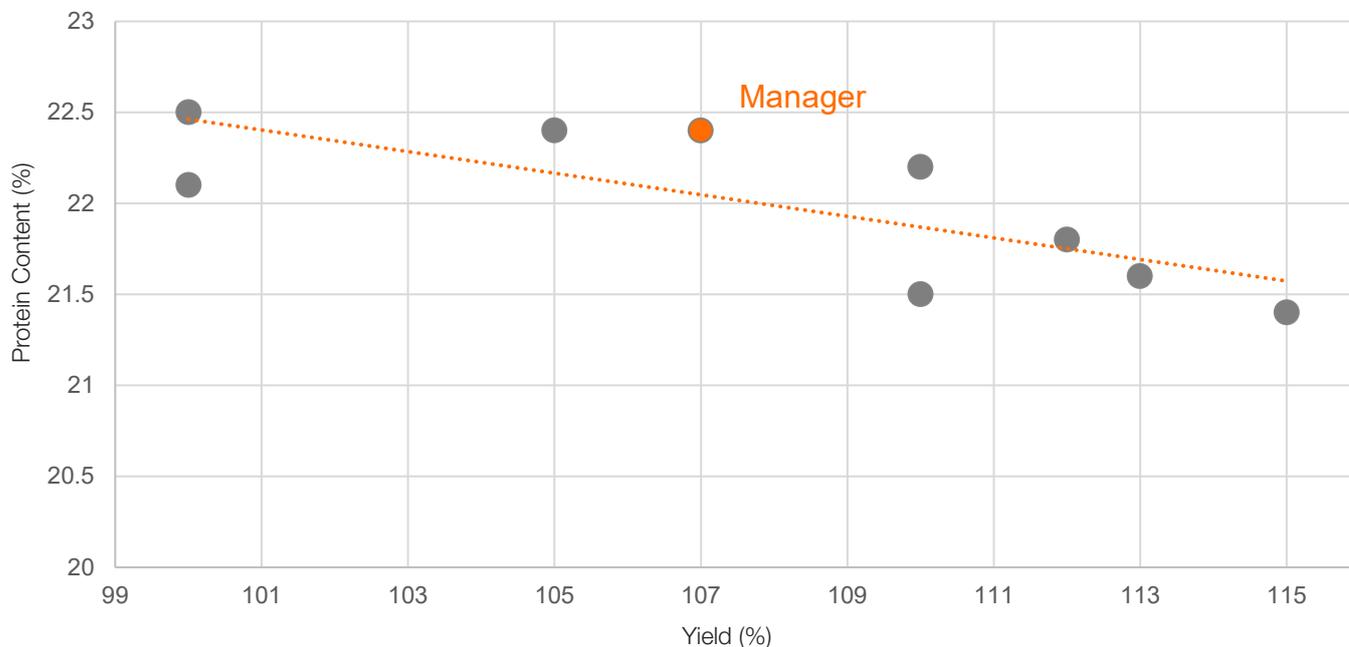
In the last four contrasting spring seasons, we have seen Manager demonstrate consistently high yields when compared to other varieties. More importantly

the variety produces one of the best combinations of field yield and protein of the yellow peas on the 2024 PGRO DL, making it an attractive option for both farmers and end-users alike.



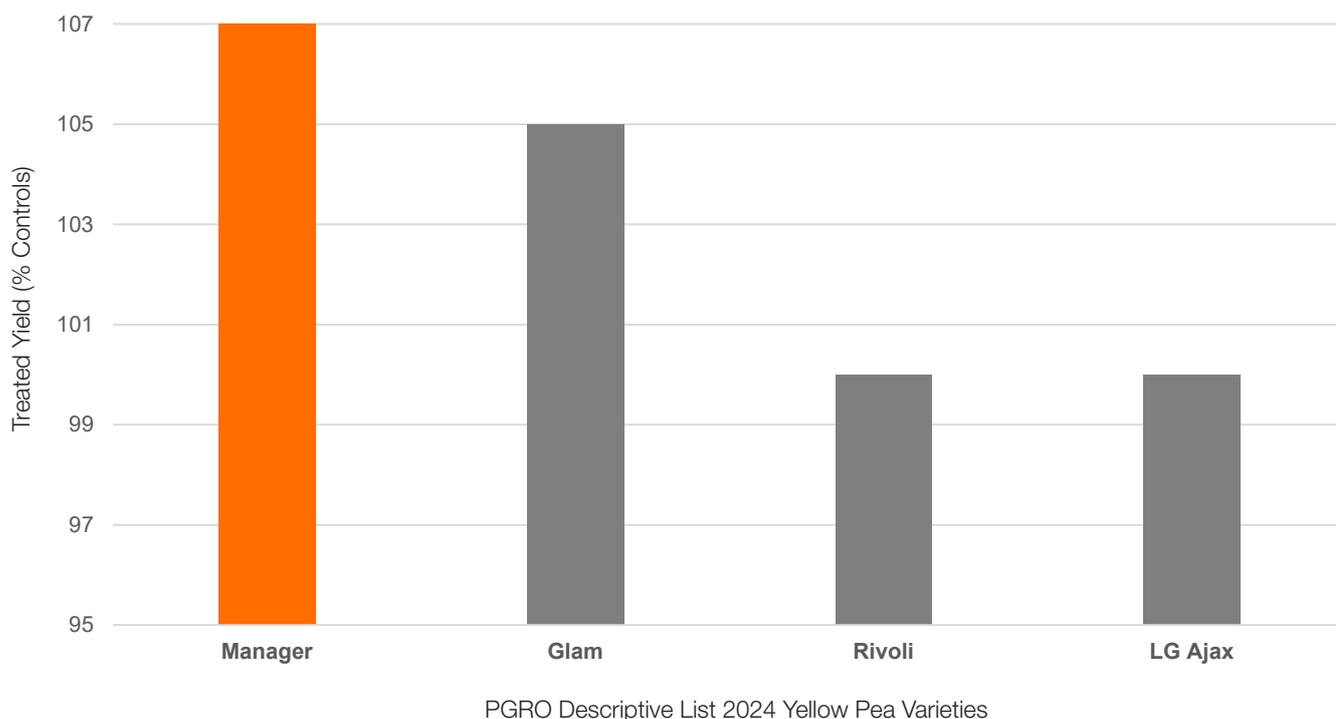
What makes MANAGER the pea variety for you?

Manager, a tried and tested package offering yellow pea growers the best combination of field yield and protein on the 2024 PGRO DL.



Data Source: Combining Peas, PGRO Descriptive List 2024

MANAGER yield performance



PGRO Descriptive List 2024 Yellow Pea Varieties

Data Source: Combining Peas, PGRO Descriptive List 2024

Disease resistance and agronomy of MANAGER

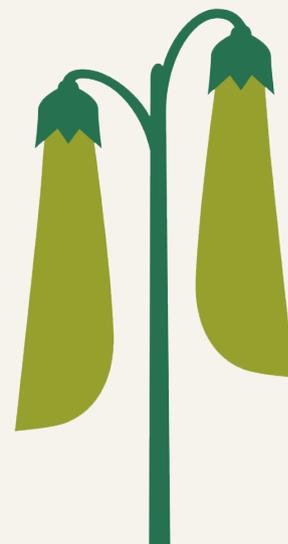


Resistance to	MANAGER
Pea wilt (Race 1)	R
Downy Mildew (1-9)	6
Powdery Mildew*	[MR]

Straw Length (cm)
81

Standing ability at harvest
7

Earliness of maturity
6



*Data source: Combining Peas, PGRO Descriptive List 2024

MANAGER end-use and seed quality

Having been tried and tested by a range of end users over multiple seasons, Manager is an attractive variety for the supply chain thanks to its good protein content and excellent colour retention. As a result, they are widely used in the canning or further processing e.g. splitting.

	MANAGER
Seed Characteristics	
Protein Content (% dry)	22.4
Thousand Seed Weight (g)	283



Grain peas as crops of the future: sustainable, regional and rich in protein!

With sustainable farming practices firmly in UK growers' minds, many growers are aware of the benefits of including peas in their rotation. Their environmental credentials are clear - being leguminous they require no nitrogen, making them a cost-effective crop to grow along with their ability to boost insect biodiversity and increase in microbial soil activities. In addition, like beans a pea crops helps boost soil fertility, leaving residual nitrogen for the following crops, so offering growers the chance to add resilience into their rotations.

Their attractive package for UK farmers don't stop there. As a spring crop, the continuing reduction of winter oilseed plantings, coupled with this autumn's poor weather creates a huge opportunity for spring peas. In addition, the alternative protein market is one that is developing globally at a fast pace and export opportunities remain good an example being that exports to Japan have increased by 250% in the last 10 years.

There are 3 main types of combinable peas grown in the UK

1. Green peas (also known as large blue) which are the most popular dried pea type grown in the UK for canning (for use in soups and stews) and the snack market. They are regularly micronized (roasted, cracked and rolled) for pet foods

- 2.** Yellow peas (also known as whites) are grown for splitting, whole processing and milling processes. Whilst relatively small in area of the UK, they are the most widely produced pulse in the world.
- 3.** Marrowfat peas are used in canning (mushy peas), snack foods and as ingredients in foodstuffs. This is a premium-led market.

KWS have been in the seed business for many years and in recent years, we've used our R&D resources to turn the spotlight on protein crops with a new approach. Not only do we have dedicated pea breeding programmes to provide suitable products for UK farmers, but we're also looking for novel markets such as milk and yoghurt alternatives based on pea proteins.



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