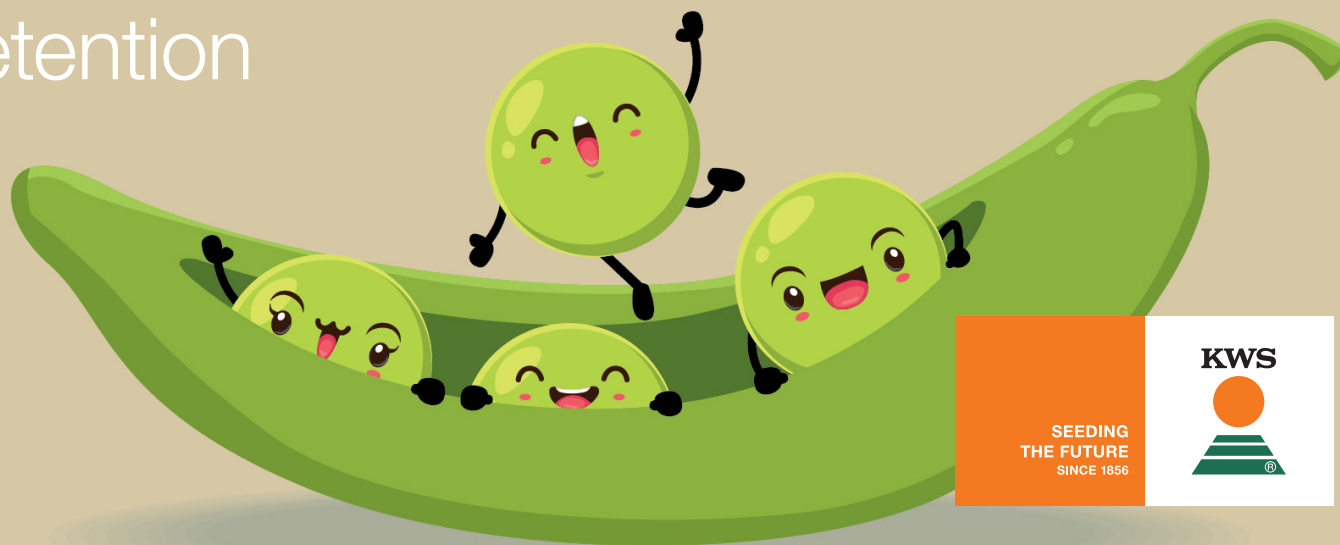


# Maximise premiums with Mankato's **exceptional** colour retention



## MANKATO

Spring Green (Blue) Pea



- Strong disease package
- Highly consistent over all regions
- Exceptional colour retention to maximise premiums

Mankato has come from KWS Momonts highly successful pulse breeding programme. It is medium height with exceptional straw strength and good standing to ensure a safe harvest.

It is a very high yielding variety nationally over a range of soil types. Mankato has a strong disease package including resistance to pea wilt. It is the next step up from older competitor varieties.

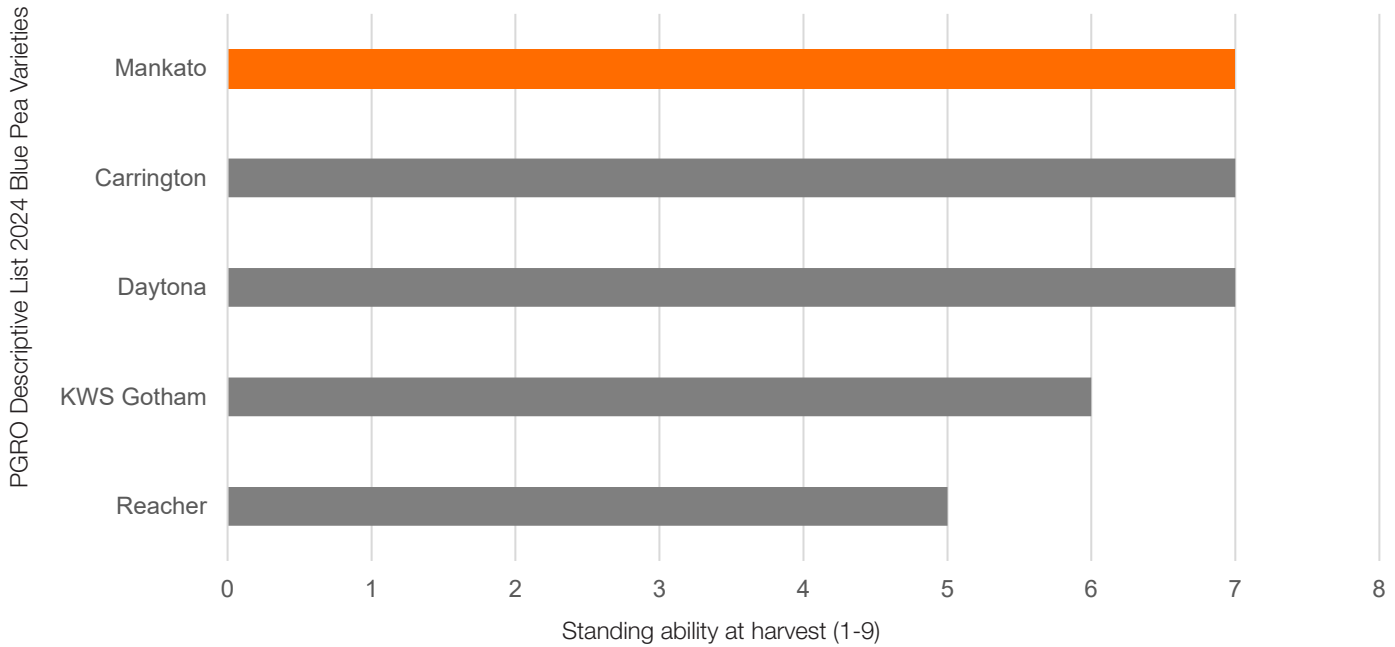
We have seen Mankato demonstrate fantastic colour retention compared to other large blue varieties, leading to higher premiums paid at the farm gate.

In short Mankato ticks all the boxes for UK pea growers and end users alike.



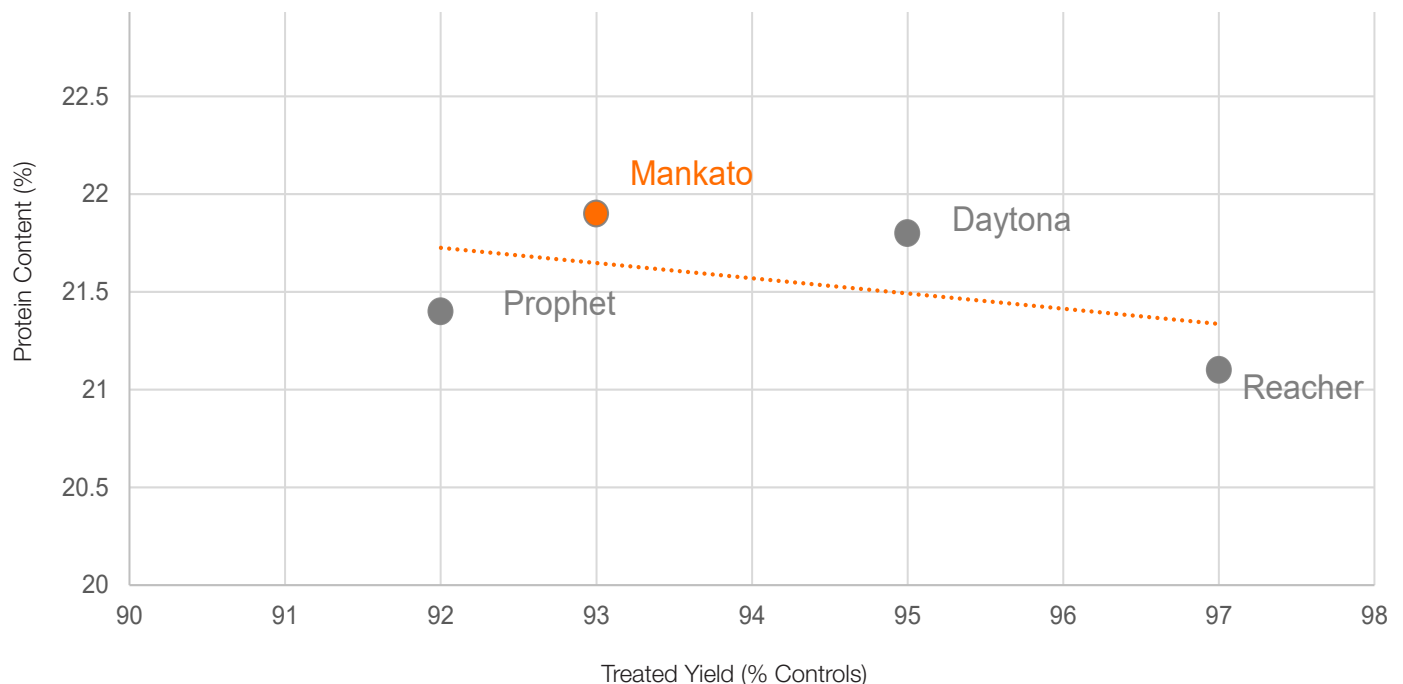
# What makes MANKATO the pea variety for you?

Mankato has been a top 25% performer in the PGRO descriptive list for several years. Much of this reliability is down to a near perfect combination of standing power and yield.



Data Source: Combining Peas, PGRO Descriptive List 2024

## MANKATO yield performance



Data Source: Combining Peas, PGRO Descriptive List 2024

# Disease resistance and agronomy of MANKATO



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

Straw Length (cm)  
81

Standing ability at harvest  
7

Earliness of maturity  
4



\*Data source: Combining Peas, PGRO Descriptive List 2024

## MANKATO end-use and seed quality

Mankato has proven to be an appealing choice for the supply chain - it's a big seed, which pea micronisers like as it can be cut in half. In addition, it has good colour which it holds well. Mankato has good protein content and a robust grain.

	MANKATO
<b>Seed Characteristics</b>	
Protein Content (% dry)	21.9
Thousand Seed Weight (g)	255



# 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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