



## MAMMOTH MILLET FOR SPRING 2023

### A FANTASTIC, Highly Profitable, Low Input Break Crop

Following the remarkable success of Mammoth millet over the last 18 years, Soya UK will be operating their full buy-back contract for Mammoth millet again in 2023.

- High value niche markets.
- Cheap and easy to grow.
- Simple agronomy.
- Very good break crop.
- Markets prefer UK-grown crop.
- 130 - 135 day crop.

“**MAMMOTH**” is the only proven, high-yielding White Millet developed specifically for UK conditions. This flexible crop is easy to grow, with minimal pest and disease.

- Sow early May.
- Combine in early September.
- No problems with pest/ diseases.
- Very resistant to rabbits / pigeons etc
- High yield - up to 1.85 tonnes per acre
- Suits all areas south of the Vale of York.
- Suits any soil.
- Excellent gross margins.

### Mammoth White Millet 2023

In 2004 we embarked on a series of trials with a new crop. This new crop was a white proso millet from Kyiv, Ukraine. The crop was called “Mammoth”, and it proved a great success. Further success in the intervening years has led us to conclude that Mammoth is here to stay, and we are once again placing contract acreage for 2023

Mammoth is a very productive, short-season crop normally sown in early May and harvested 135 days later in mid-September. There is substantial market demand for millet grain and over the years we have expanded the area of Mammoth in order to continue developing our access to this high-value market.

We now also have a well-developed agronomy model using very simple and highly effective maize-type chemicals. Disease has not been a significant factor, and normally no fungicides are used. Seed yields are in the range of 1.00 -1.85 tonnes per acre, with typical yields of a good crop at 1.5 tonnes/acre.



## Why Mammoth Millet?

It is important to understand that Mammoth is different from other white millets which have been bred for continental production - it has been **specifically bred for UK conditions**, and this is key to its success.

Bred for the UK means:

- Mammoth yields more. In some cases a lot more, because it has been bred to grow in our conditions.
- Mammoth is resistant to all known strains of smut in the UK.
- Mammoth is early. Most white millets are hopelessly unsuitable for UK production because they are simply too late to be harvested in good conditions, but Mammoth is ready for cutting in mid-September.
- Mammoth does not need to be drilled in wide rows in order to maximize the light access. Because it is designed for production here, it does not need the additional light access, and therefore can be drilled using a standard un-modified cereal drill on a standard 4¾ inch coulter spacing.

## Agronomy for Mammoth Millet

Sowing date:	Early May
Seed Cost:	Price £45 per acre.
N-Fertilizer: (Full arable rates)	Tillering      60kg/Ha Shooting      20kg/Ha
Plant height	3 - 4 feet high
Disease resistance:	Mammoth is resistant to almost all diseases and no fungicides are used.
Herbicides:	Broadleaf control is usually achieved using a mixture of Peak and Starane XL – both of which have EAMU's. Crops are usually desiccated with glyphosate prior to harvest.
Harvest:	Combining in September – around 135 days from sowing, using a standard un-modified combine.
Drying:	Normally some drying is required, although it is usually not a lot. Market standards are 14% moisture. Crops are normally harvested at around 16%, so it is normal to do some drying.
Yield & Value:	1 - 1.75 tonnes per acre. Typically millet is worth around £80 - £120 more than feed wheat, and current values are in the region of £400/tonne.

## Contracts available for growers of Mammoth Millet

Mammoth is exclusive to Soya UK, and is being produced under full buy-back contracts. The contract is based on market value at time of movement - which is currently around £400 per tonne. Growers who have storage will often be in a better position to fit with market requirements

## Mammoth Millet Gross Margins 2023

### Optimistic - Based on £425/t

	Hectare	Acre
Yield (tonnes)	3.5	1.42
Value (£/t)	425.00	425.00
<b>Total Income</b>	<b>1487.00</b>	<b>603.00</b>
Seed Cost (£)	111.00	45.00
Fertiliser Cost (90kg N/Ha)	200.00	80.00
Spray Cost (£)	50.00	20.00
<b>Total Cost (£)</b>	<b>361.00</b>	<b>145.00</b>
<b>Gross Margin</b>	<b>1126.00</b>	<b>458.00</b>

### Pessimistic - Based on £380/t

	Hectare	Acre
Yield (tonnes)	3.5	1.42
Value (£/t)	380.00	380.00
<b>Total Income</b>	<b>1330.00</b>	<b>540.00</b>
Seed Cost (£)	111.00	45.00
Fertiliser Cost (90kg N/Ha)	200.00	80.00
Spray Cost (£)	50.00	20.00
<b>Total Cost (£)</b>	<b>361.00</b>	<b>145.00</b>
<b>Gross Margin</b>	<b>969.00</b>	<b>395.00</b>

## An acknowledgement to our friends in Ukraine

War in Ukraine has had a significant effect on the Millet market. Prior to this year, around 80% of the white millet used in the UK, came from Ukraine. The result has been to push the value of millet from around £260 per tonne, to over £400 per tonne. Whilst this is great news for UK growers, we also acknowledge that Mammoth is actually a Ukrainian variety, and we remember the predicament of our plant-breeder friends at the Ukrainian Institute of Agriculture many of whom are now soldiers whose fight for freedom is ongoing. Soya UK is proud to say that all of the royalties generated from sales of Mammoth seed go to our friends in Kyiv.

If you have any enquiries or would like further information, please call us on **02380 696922**