LS Plant Breeding
Combining Excellence

# Blueman

## large blue pea

**Blueman is Fully Recommended on the PGRO Recommended List of Combining Peas for 2020. It is a high yielding large blue pea variety combined with the highest Downy mildew resistance on the RL and good standing power. It is resistant to Pea wilt.**

- ✓ **Blueman** produces very high seed yields on the PGRO RL (100).
- ✓ **Blueman** has the highest resistance to Downy mildew (8).
- ✓ **Blueman** has high standing ability at harvest (7).

### COMBINING PEAS – PGRO Recommended List 2020

The control for yield is the mean of Prophet, Kareni & Karpate. Yield differences of less than 8.1%(p=0.05) should be treated with caution.

| Variety / type | White peas | | | | | Large blue peas | | | | | | | | | | | | | Small blue | Maple peas | | Marrowfat peas | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NEW Kameleon | NEW Orchestra | Manager | Karpate | Kareni | NEW Kactus | Bluetime | NEW Greenwich | Karioka | Mankato | Croft | Blueman | NEW LG Aviator | Prophet | Bluetooth | Daytona | Vertix | LG Stallion | Kingfisher | Greenwood | Mantara | Rose | Sakura | NEW Banshee | NEW Octavia |
| | P1 | P1 | R | R | R | P1 | R | P1 | R | P2 | P2 | R | P1 | R | O | R | R | R | O | R | R | R | R | P1 | P1 |
| UK Agent | Sen | LSPB | KWS | Sen | Sen | Sen | LSPB | LSPB | Sen | KWS | LSPB | LSPB | LUK | LUK | LSPB | Agrii | Sen | LUK | LUK | IARA | LUK | Dalt | Dalt | Sen | IARA |
| Yield as % Control (4.49 t/ha) 5 year mean | 114 | 106 | 105 | 104 | 98 | 107 | 106 | 104 | 104 | 103 | 101 | 100 | 99 | 98 | 95 | 95 | 94 | 92 | 92 | 94 | 89 | 86 | 84 | 83 | 82 |
| **Agronomic characters** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Earliness of ripening | 7 | 6 | 6 | 6 | 7 | 5 | 4 | 7 | 5 | 5 | 5 | 3 | 5 | 5 | 4 | 7 | 2 | 5 | 6 | 8 | 6 | 7 | 5 | 4 | 3 |
| Shortness of straw | 6 | 5 | 5 | 5 | 6 | 6 | 3 | 6 | 4 | 5 | 4 | 4 | 6 | 6 | 6 | 6 | 5 | 5 | 4 | 7 | 8 | 6 | 5 | 6 | 6 |
| Standing ability at harvest | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 5 | 6 | 5 | 6 | 7 | 7 |
| **Resistance to** Pea wilt (Race 1) | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | - | R | S | R | R | R |
| Downy mildew | 5 | 4 | 6 | 5 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 8 | 7 | 7 | 6 | 7 | 6 | 5 | 5 | 4 | 6 | 7 | 4 | 3 | 3 |
| **Seed characters** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thousand seed weight (g)(@15%mc) | 295 | 316 | 269 | 280 | 278 | 265 | 277 | 333 | 242 | 256 | 271 | 230 | 272 | 294 | 261 | 268 | 267 | 261 | 257 | 227 | 237 | 246 | 371 | 374 | 396 |
| Protein content (%dry) | 22.3 | 21.4 | 22.4 | 22.1 | 22.6 | 20.8 | 21.0 | 23.3 | 22.4 | 22.3 | 20.1 | 22.7 | 22.1 | 21.3 | 22.7 | 21.4 | 22.7 | 21.9 | 20.8 | 20.5 | 21.8 | 24.4 | 23.0 | 21.4 | 22.5 |
| Year first listed | 20 | 20 | 18 | 17 | 16 | 20 | 18 | 20 | 18 | 19 | 19 | 18 | 20 | 07 | 15 | 10 | 17 | 17 | 16 | 17 | 10 | 06 | 08 | 20 | 20 |

Recommendation categories: R=Recommended, P1,P2=1st & 2nd year provisional recommendation, O=Becoming Outclassed

A high rating figure indicates that the variety shows the character to a high degree.
All varieties are semi-leafless.

Pea wilt (*Fusarium oxysporum f. sp. pisi*)(race 1) R = Resistant; S = Susceptible

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**For information and orders contact your seed merchant**

**or email LSPB at info@lspb.eu**

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