

2019 Technical Data

Echelon Orchardgrass

KEY FEATURES

- Very late maturity
- Very good forage yield
- Excellent winterhardiness
- Very good disease resistance
- Very good seasonal growth pattern

VARIETY DESCRIPTION

| | |
|------------------------|-----------------------|
| Ploidy: | Tetraploid |
| Growth Habit: | Erect to Intermediate |
| Plant Height: | Medium |
| Maturity: | Late |
| Leaf Colour: | Medium Green |
| Leaf Pubescence: | Glabrous |
| Leaf Width: | Medium to Wide |
| Leaf Length: | Medium to Long |
| Head Length: | Medium |
| Lemma Pubescence: | Moderately Pubescent |
| Lemma Keel Pubescence: | Glabrous |
| Lemma Awns: | Awned |
| Seed Weight: | 2.1g/1000 Seeds |
| Seeding Rate: | 5kg/ac, 10lbs/ac |

REACTION TO DISEASES

| | |
|------------------|------------|
| Ergot: | Not Tested |
| Powdery Mildew: | Not Tested |
| Root Rot: | Not Tested |
| Purple Eye Spot: | Not Tested |
| Stem Rust: | Not Tested |
| Snow Mold: | Not Tested |
| Leaf Rust: | Not Tested |

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MICHIGAN STATE UNIVERSITY YIELD COMPARISONS

| | HARVEST YEARS | # OF CUTS | # OF STATION YEARS | YIELD (KG/HA) | YIELD INDEX (%) |
|----------------|---------------|-----------|--------------------|---------------|-----------------|
| Echelon | 2015 | 6 | 3 | 7240.7 | 101 |
| Potomac | 2015 | 6 | 3 | 6911.9 | 97 |

PENN STATE UNIVERSITY YIELD COMPARISONS

| | HARVEST YEARS | # OF CUTS | # OF STATION YEARS | YIELD (KG/HA) | YIELD INDEX (%) |
|----------------|---------------|-----------|--------------------|----------------|-----------------|
| Echelon | 2013 | 4 | 1 | 16003.1 | 125 |
| Dividend VL | 2013 | 4 | 1 | 14819.5 | 115 |
| Potomac | 2013 | 4 | 1 | 10488.7 | 82 |

UNIVERSITY OF WISCONSIN YIELD COMPARISONS

| | HARVEST YEARS | # OF CUTS | # OF STATION YEARS | YIELD (KG/HA) | YIELD INDEX (%) |
|----------------|-----------------|-----------|--------------------|----------------|-----------------|
| Echelon | 2013-'15 | 8 | 2 | 17104.2 | 147 |
| Elsie | 2013-'15 | 8 | 2 | 15635.9 | 137 |
| Potomac | 2013-'15 | 8 | 2 | 15288.4 | 131 |

PUBLIC YIELD SUMMARY

| | HARVEST YEARS | # OF CUTS | # OF STATION YEARS | YIELD (KG/HA) | YIELD INDEX (%) |
|----------------|-----------------|-----------|--------------------|---------------|-----------------|
| Echelon | 2013-'17 | 75 | 27 | 8000.8 | 108 |

DLF PICKSEED CANADA INC. YIELD SUMMARY

| | HARVEST YEARS | # OF CUTS | # OF STATION YEARS | YIELD (KG/HA) | YIELD INDEX (%) |
|----------------|-----------------|-----------|--------------------|---------------|-----------------|
| Echelon | 2015-'17 | 34 | 11 | 6847.1 | N/A |