

Field crop variety

agronomic trait ratings - 2025



Introduction

This publication, the first of its kind, brings together many years of data collection by AGT’s team across Australia.

Covering major cereal crops wheat, barley and durum, and important grain legume lupin, this publication provides ratings, descriptions, and relative rankings between varieties on traits not usually provided by industry. Traits include plant height, coleoptile length, sprouting tolerance, and physical grain quality characteristics, amongst others.

These ratings will be updated each year to include the latest varieties, and we hope will help growers and agronomists make more informed choices when it comes to what varieties to grow.

While our team of breeders and statisticians have carefully collated, analysed and review the data and ratings contained in this booklet, assessment of variety performance is subject to error, natural variation and responses to the environment where testing is undertaken. Please take this into account when using the data provided.

Note that the ratings contained within this booklet have been assigned by AGT (therefore not industry consensus ratings) and have been provided on both AGT and competitor varieties.

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Legend			
T	Tolerant	NA	Not Available
MT	Moderately Tolerant	*	Rating based on presence/absence of tolerance gene
MI	Moderately Intolerant	[]	Number of datapoints per variety across the analysis
I	Intolerant	#	Rating based on Germination Index values
VI	Very Intolerant		

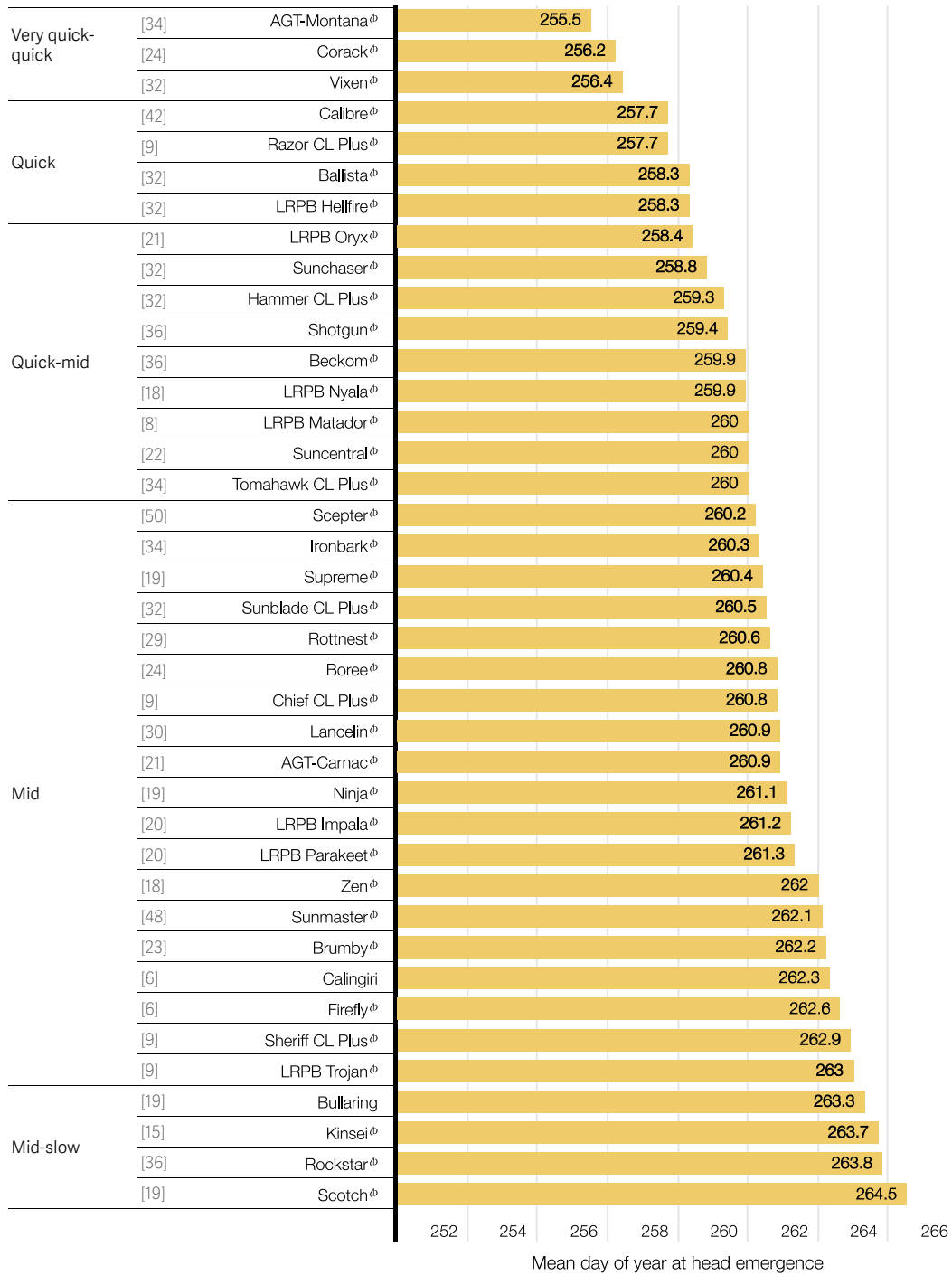
Ratings within this document are produced from data collected by AGT across a mixture of AGT and NVT trials.



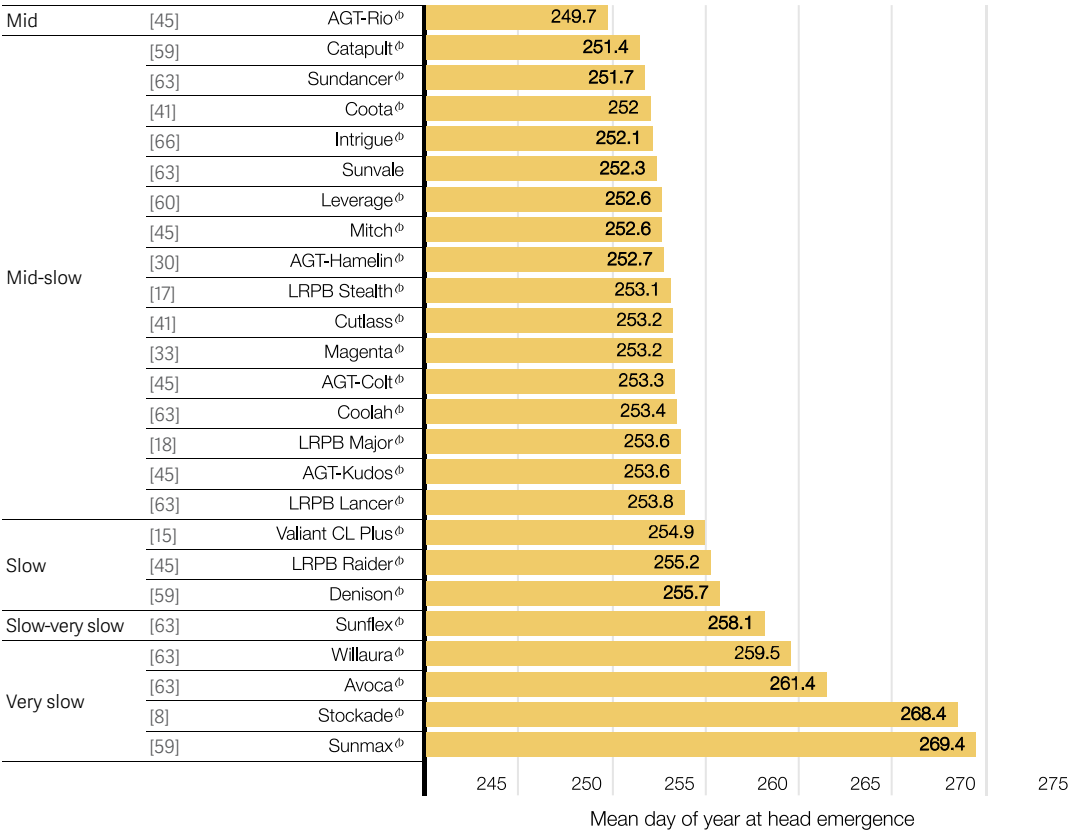
Wheat agronomic trait ratings

	Plant Characteristics					Grain Quality			Abiotic Stress	
	Variety	Maturity speed	Plant height	Coleoptile length	Lodging tolerance	Screenings level	Test weight	Sprouting tolerance*	Acid/aluminium tolerance*	Boron tolerance*
Spring maturity habit	AGT-Carnac [®]	Mid	Moderate	Short	MTMI	Low	High	I	Yes	Yes
	AGT-Colt [®]	Mid-slow	Moderately tall	Moderate	MII	Low	Moderate	MI	Yes	Yes
	AGT-Hamelin [®]	Mid-slow	Moderately short	Short	MTMI	Low	Very high	MI	Yes	No
	AGT-Kudos [®]	Mid-slow	Moderately short	Short	MT	Low	High	MII	No	No
	AGT-Montana [®]	Very quick-quick	Moderately short	Moderate	MI	Low	Moderate	MII	Yes	Yes
	AGT-Rio [®]	Mid	Moderately short	Short	MTMI	Low	High	MII	Yes	No
	Avoca [®]	Very slow	Moderate	Short	MT	Low	Moderate	MII	Yes	Yes
	Ballista [®]	Quick	Moderately short	Short	MTMI	Moderate	Moderate	I	Yes	Yes
	Beckom [®]	Quick-mid	Short to moderately short	Short	MI	Moderate	Moderate	MII	Yes	Yes
	Boree [®]	Mid	Moderate	Short	MTMI	Moderate	Moderate	MII	Yes	No
	Brumby [®]	Mid	Moderate	Moderate	MI	Low	Moderate	MII	Yes	No
	Bullaring	Mid-slow	Moderately short	Short	MTMI	High	Very low	MII	Yes	No
	Calibre [®]	Quick	Moderate	Long	MII	Low	Low	MII	Yes	Yes
	Calingiri	Mid	Moderately short	Short	MI	Very low	Moderate	NA	Yes	No
	Catapult [®]	Mid-slow	Moderate	Short	MI	Low	High	MII	Yes	Yes
	Chief CL Plus [®]	Mid	Moderately short	Short	MTMI	Low	Moderate	MII	Yes	No
	Coolah [®]	Mid-slow	Moderately tall	Short	MTMI	Low	High	MI	No	No
	Coota [®]	Mid-slow	Moderately short	Short	MTMI	Low	High	I	Yes	No
	Corack [®]	Very quick-quick	Moderately short	Short	MTMI	Very low	High	MII	Yes	No
	Cutlass [®]	Mid-slow	Moderate	Long	MI	Low	High	MI	Yes	Yes
	Denison [®]	Slow	Moderately short	Moderate	MI	Moderate	Moderate	MII	Yes	Yes
	Firefly [®]	Mid	Moderate	Short	MTMI	Moderate	Moderate	NA	Yes	No
	Hammer CL Plus [®]	Quick-mid	Moderate	Short	MII	Moderate	High	MII	Yes	No
	Intrigue [®]	Mid-slow	Moderately tall to tall	Moderate	MI	Low	Very high	MII	No	No
	Ironbark [®]	Mid	Moderately short	Short	MI	Low	High	MII	Yes	Yes
	Kinsei [®]	Mid-slow	Moderately short	Short	MI	Low	Moderate	I	Yes	No
	Lancelin [®]	Mid	Moderate	Very short	MI	Low	High	MII	Yes	Yes
	Leverage [®]	Mid-slow	Moderately tall	Short	MTMI	Low	High	MII	No	No
	LRPB Hellfire [®]	Quick	Moderate	Moderate	MI	Low	High	I	Yes	No
	LRPB Impala [®]	Mid	Moderately tall to tall	Very short	MII	Low	Moderate	MII	No	No
	LRPB Lancer [®]	Mid-slow	Short to moderately short	Moderate	MTMI	Low	High	MII	No	No
	LRPB Major [®]	Mid-slow	Short to moderately short	NA	MTMI	Low	Very high	MII	Yes	Yes
	LRPB Matador [®]	Quick-mid	Moderately short	Short	MTMI	High	Moderate	I	Yes	Yes
	LRPB Nyala [®]	Quick-mid	Moderately tall	Very short	MI	Moderate	Moderate	MII	No	No
	LRPB Oryx [®]	Quick-mid	Moderate	Short	MI	Low	High	MI	No	No
	LRPB Parakeet [®]	Mid	Moderately tall	Short	I	Moderate	Low	I	No	No
	LRPB Raider [®]	Slow	Moderately short	Short	MI	Moderate	Very low	I	No	No
	Scotch [®]	Mid-slow	Moderately short	Short	MT	Very low	Very low	MI	No	No
	LRPB Stealth [®]	Mid-slow	NA	NA	MII	Low	High	I	No	No
	LRPB Trojan [®]	Mid	Moderately short	Moderate	MI	Low	Very high	MII	No	Yes
	Magenta [®]	Mid-slow	Moderate	Moderate	MII	Low	Moderate	I	Yes	No
	Mitch [®]	Mid-slow	Moderately tall to tall	Short	MI	Low	Low	MII	No	No
	Ninja [®]	Mid	Moderately short	Short	MTMI	Low	Moderate	I	Yes	No
	Razor CL Plus [®]	Quick	Moderately short	Short	MTMI	Low	High	I	Yes	Yes
	Rockstar [®]	Mid-slow	Moderately short	Short	MTMI	Low	Moderate	I	Yes	No
	Rottnest [®]	Mid	Moderate	Short	MTMI	Moderate	Moderate	MII	Yes	No
	Scepter [®]	Mid	Moderate	Short	MI	Low	High	MII	Yes	Yes
	Sheriff CL Plus [®]	Mid	Moderately short	Short	MT	Low	High	MII	Yes	No
	Shotgun [®]	Quick-mid	Moderately short	Short	MTMI	Low	Moderate	MII	Yes	Yes
	Stockade [®]	Very slow	Short	NA	MT	Low	High	MII	No	Yes
	Sunblade CL Plus [®]	Mid	Moderate	Moderate	MTMI	High	High	I	No	Yes
	Suncentral [®]	Quick-mid	Moderately tall	Moderate	MTMI	Low	High	I	No	No
	Sunchaser [®]	Quick-mid	Moderately tall	Long	MI	Very low	Very high	MII	No	No
	Sundancer [®]	Mid-slow	Moderate	Moderate	MTMI	Low	Moderate	I	No	No
	Sunflex [®]	Slow-very slow	Moderately short	Moderate	MTMI	Low	High	MII	No	No
	Sunmaster [®]	Mid	Moderate	Moderate	MTMI	Low	Very high	I	No	No
	Sunmax [®]	Very slow	Moderate	Short	MTMI	High	Moderate	MII	Yes	No
	Sunvale	Mid-slow	Moderate	Moderate	IVI	Low	High	MII	No	No
	Supreme [®]	Mid	Very short	Short	MT	Low	High	MII	Yes	No
	Tomahawk CL Plus [®]	Quick-mid	Moderate	Short	MTMI	Low	Moderate	I	Yes	Yes
	Valiant CL Plus [®]	Slow	Moderate	NA	MT	Low	Very high	MII	Yes	No
	Vixen [®]	Very quick-quick	Short to moderately short	Short	MTMI	Low	Moderate	IVI	Yes	No
	Willaura [®]	Very slow	Moderately short	Moderate	MT	Very high	Moderate	I	No	No
	Zen [®]	Mid	Short to moderately short	Short	MTMI	Very low	Moderate	MII	Yes	No
Winter maturity habit	Accroc [®]	Slow	Moderately short	Short	MT	Moderate	Low	MT	No	No
	Anapurna	Slow	Short to moderately short	Short	TMT	Moderate	Low	MTMI	No	No
	BigRed [®]	Slow	Very short	Short	MT	Very low	Low	MI	No	No
	Brighton [®]	Mid	Short to moderately short	Moderate	MT	Low	High	I	Yes	No
	EGA Wedgetail	Mid	Moderately short	Short	MTMI	Low	Very low	MII	Yes	No
	Illabo [®]	Mid	Short to moderately short	Short	MT	Very low	Very low	MII	No	No
	Longsword [®]	Quick	Moderate	Short	MTMI	Very low	Moderate	MII	Yes	Yes
	LRPB Kittyhawk [®]	Mid	Moderately short	Short	MT	Low	Very high	I	No	No
	Mowhawk [®]	Quick	Short to moderately short	Short	MTMI	Low	Moderate	MII	Yes	Yes
	Whistler	Quick	Moderately short	Short	MI	Moderate	Moderate	MII	No	No
	Wylah	Mid	Moderate	Short	I	Moderate	High	MII	No	No

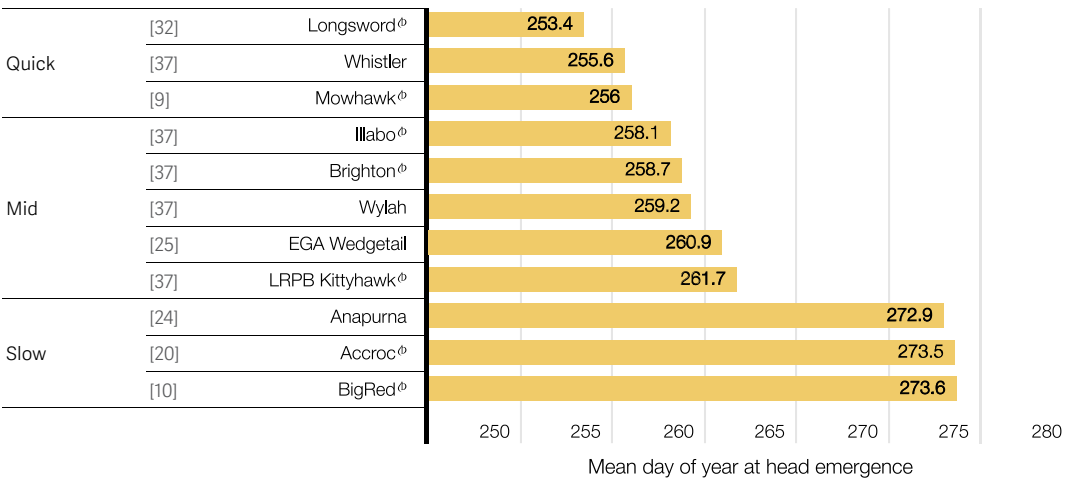
Spring habit varieties suited to 'main season' trials



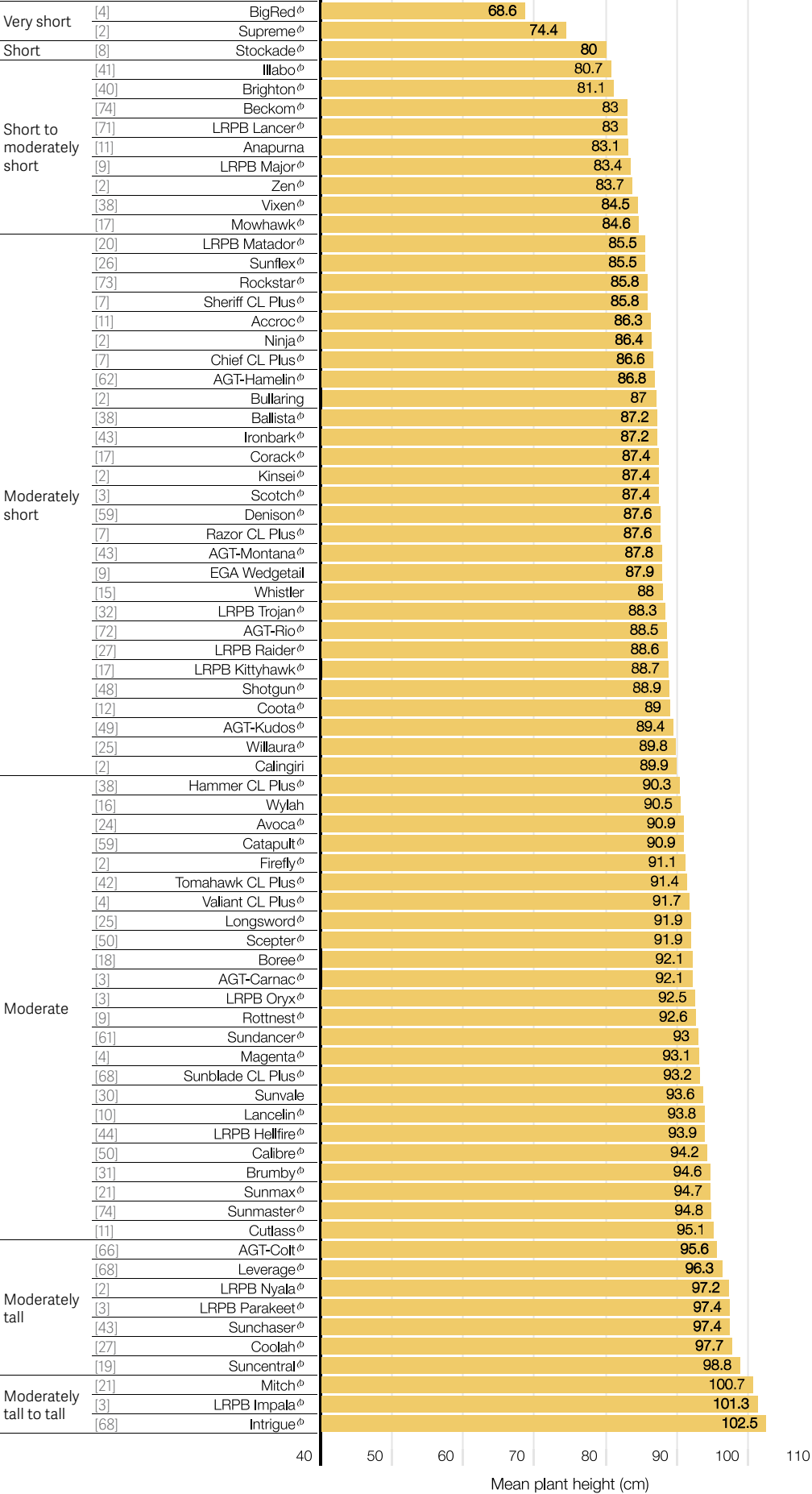
Spring habit varieties suited to 'early sown' trials



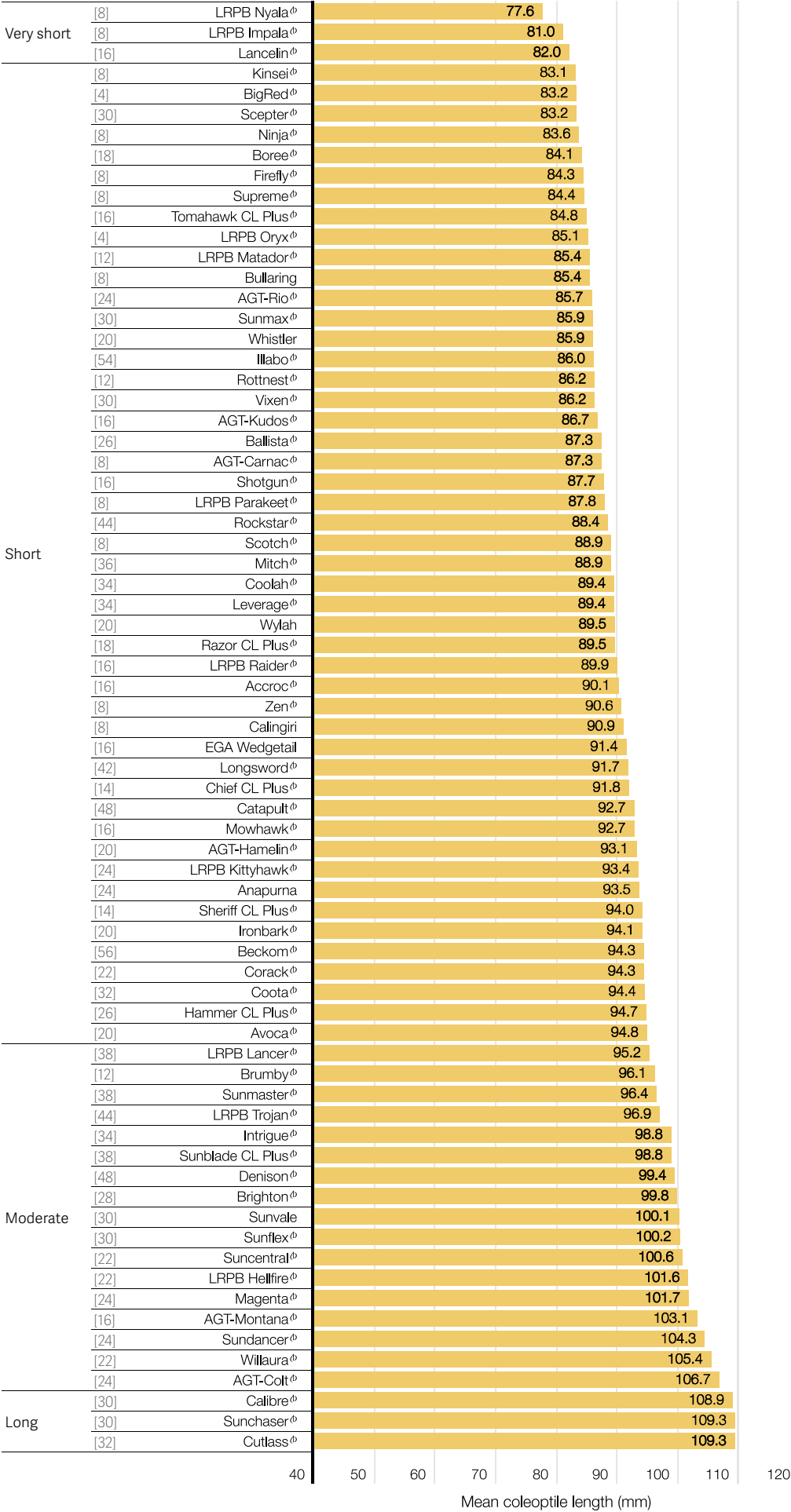
Winter habit varieties suited to 'long season' trials



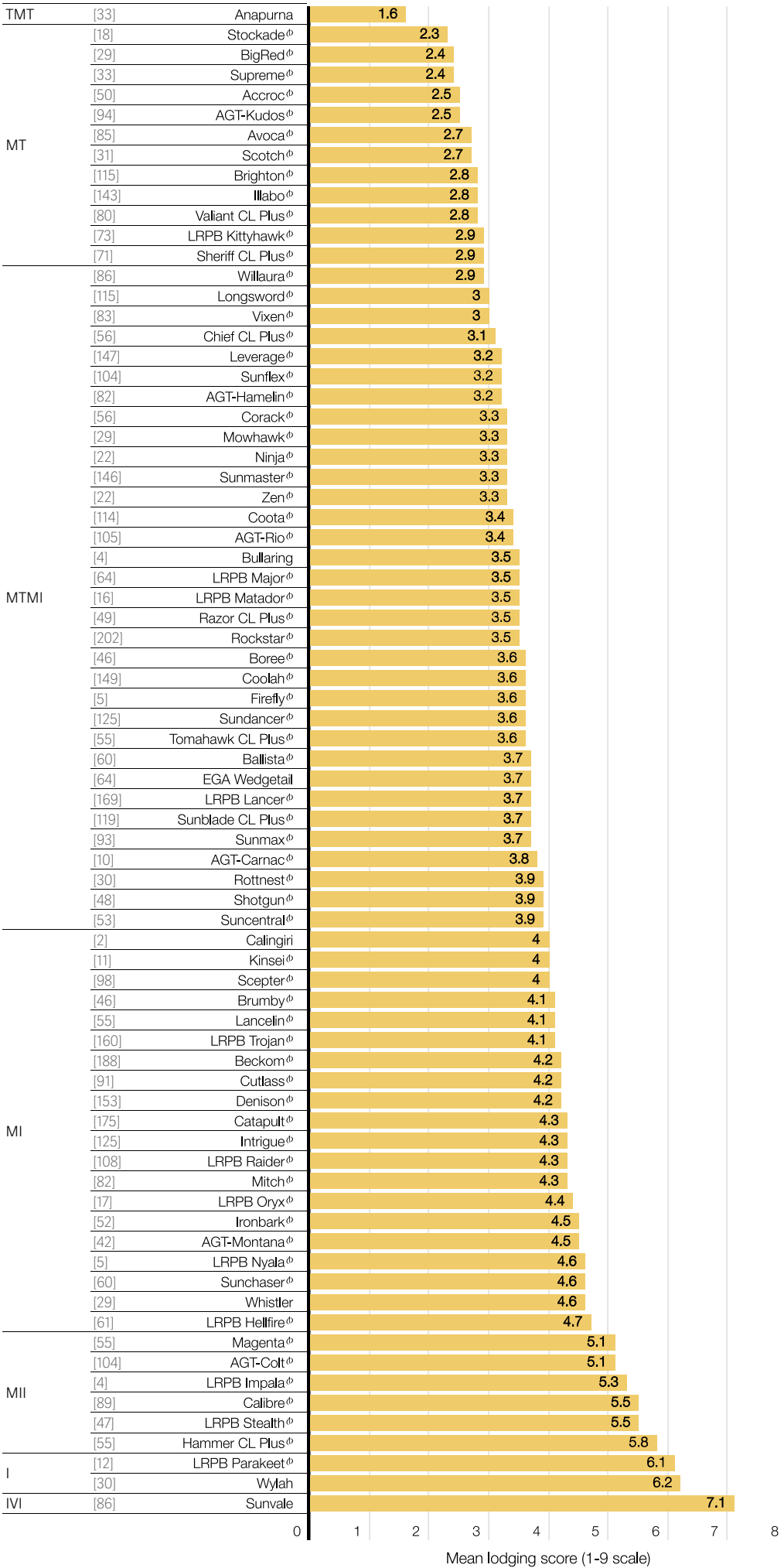
Plant height



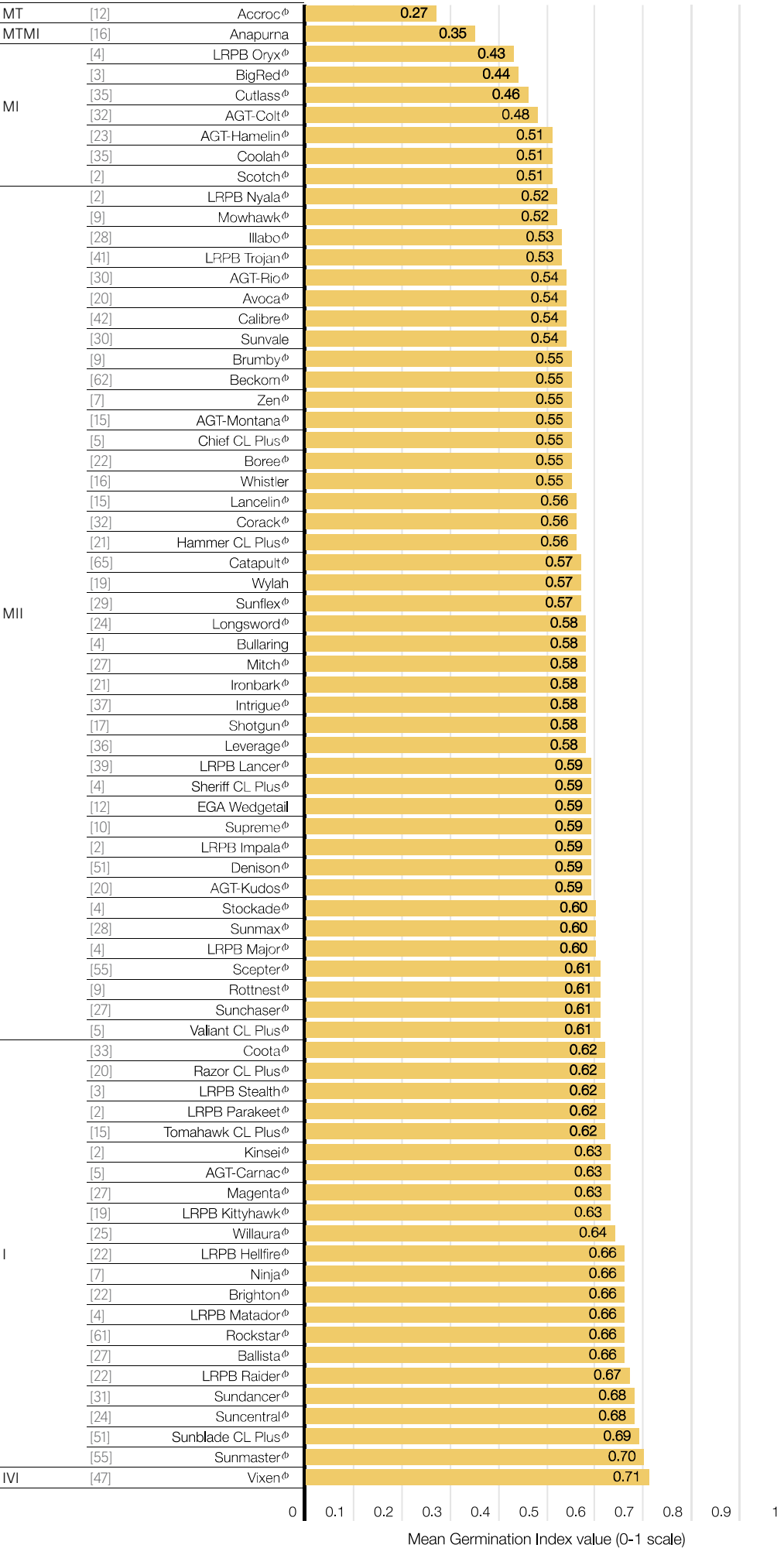
Coleoptile length



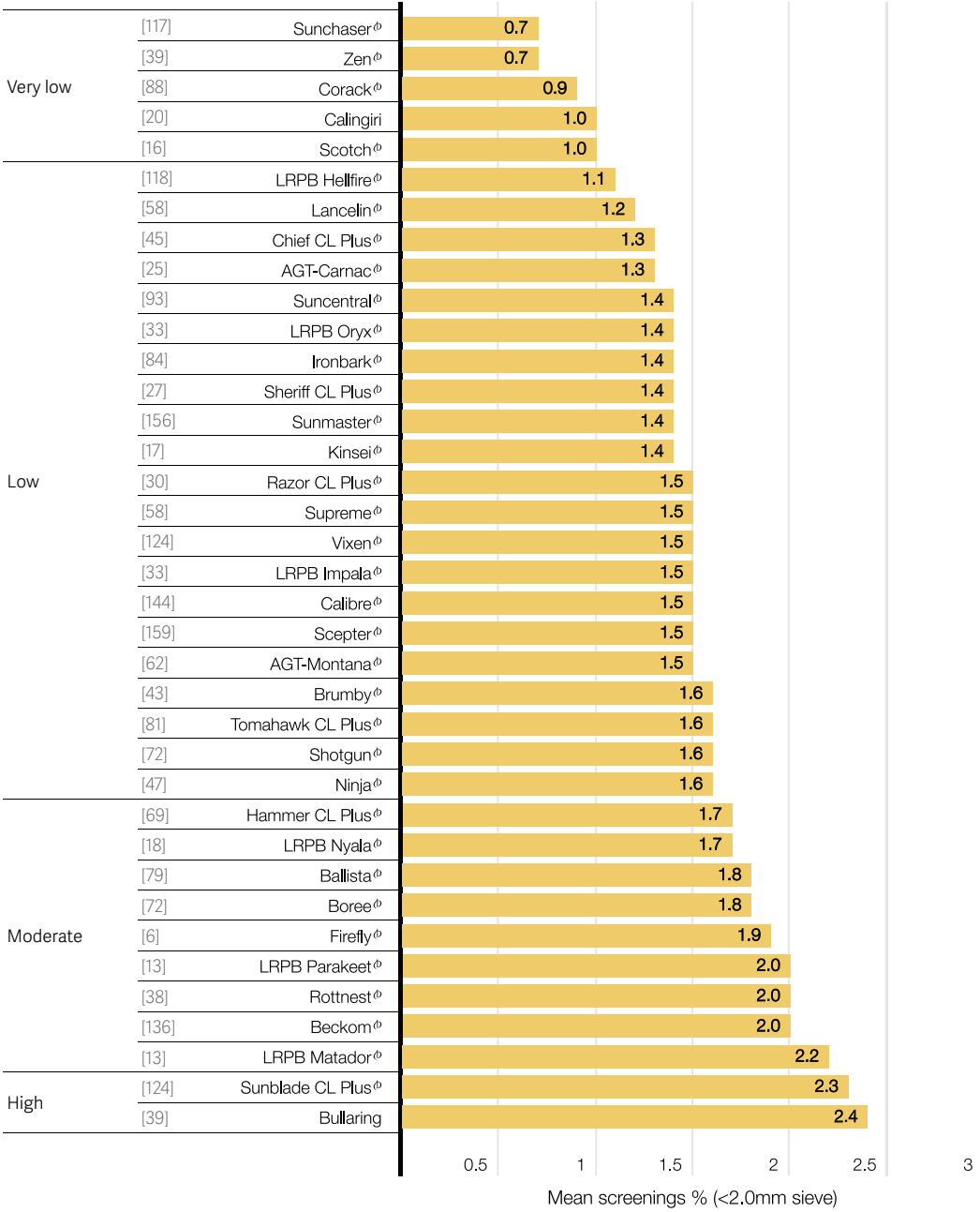
Lodging tolerance



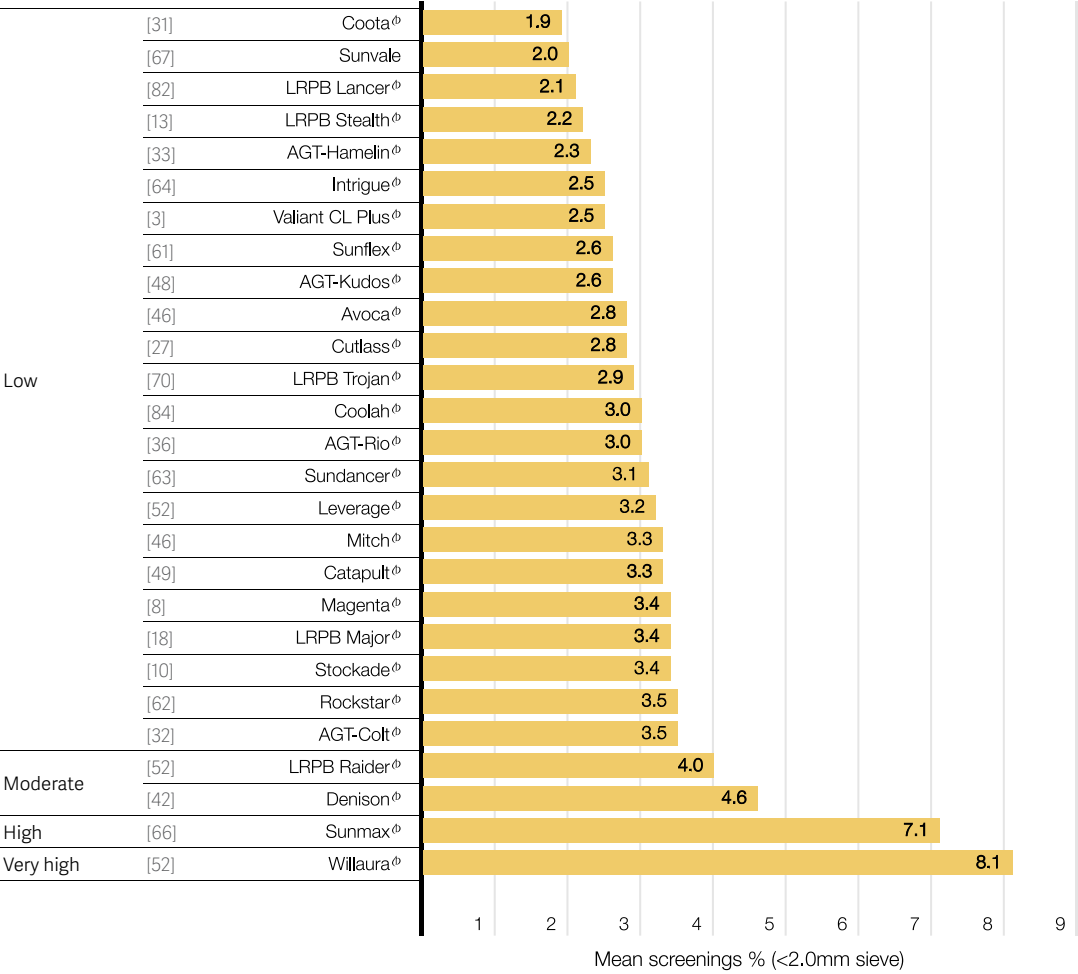
Sprouting tolerance



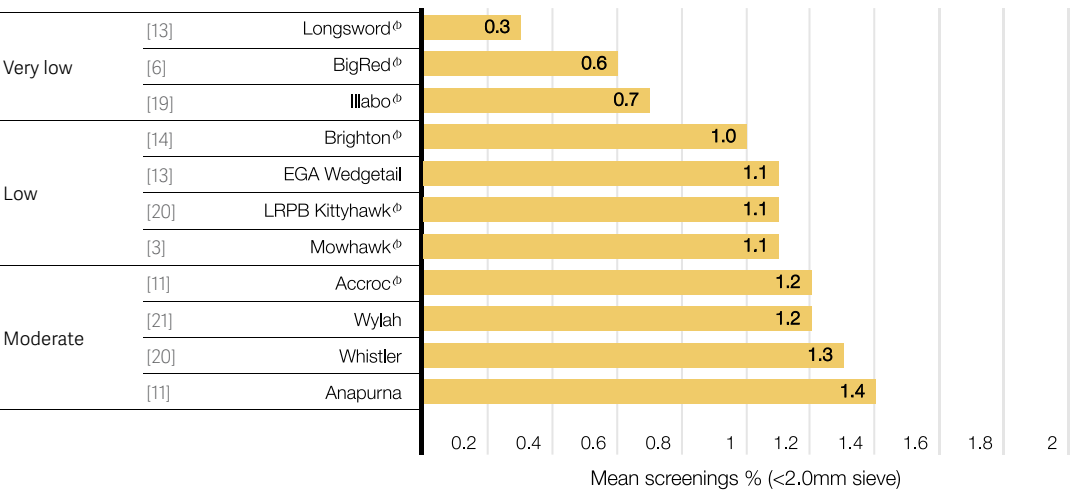
Spring habit varieties suited to 'main season' trials



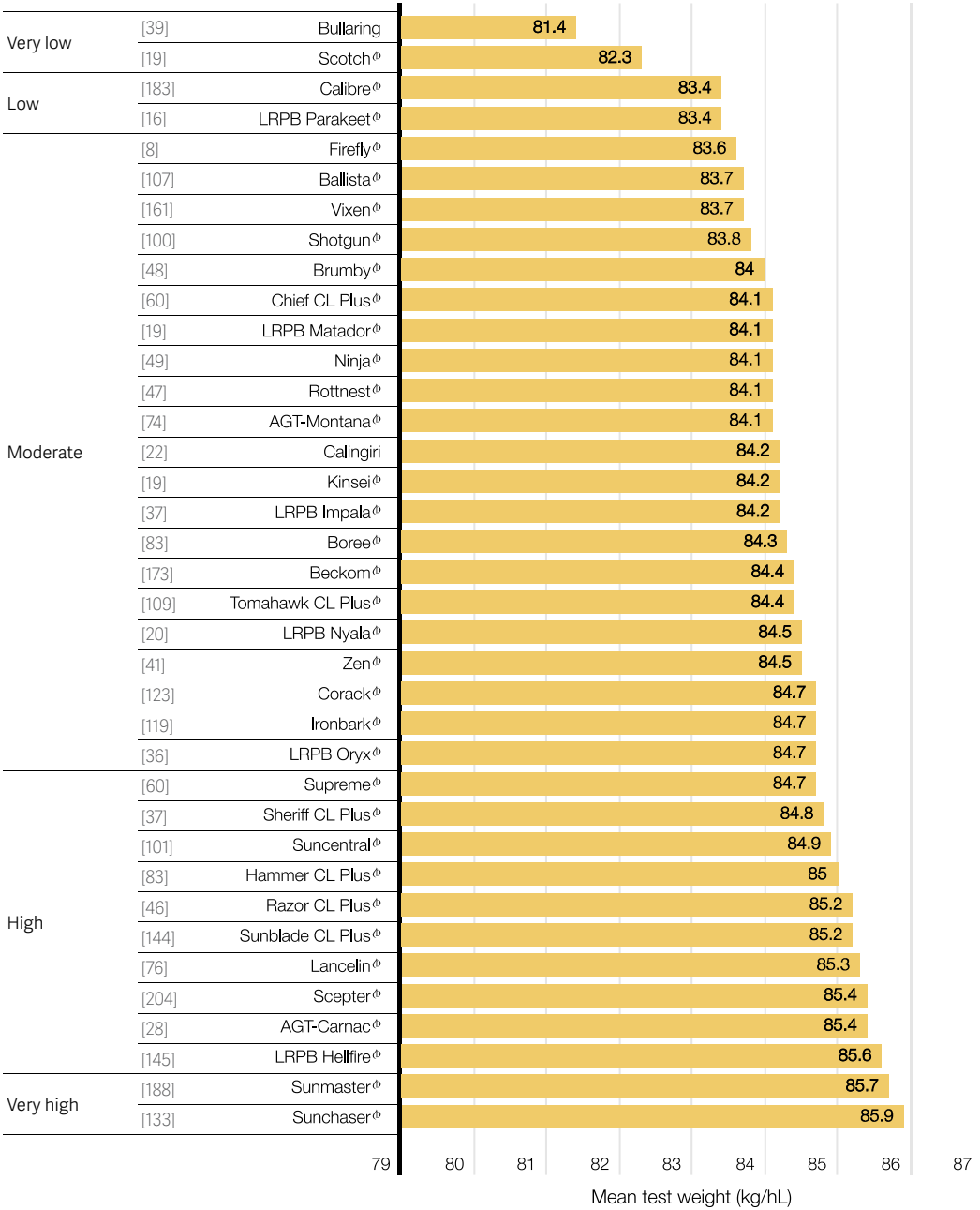
Spring habit varieties suited to 'early sown' trials



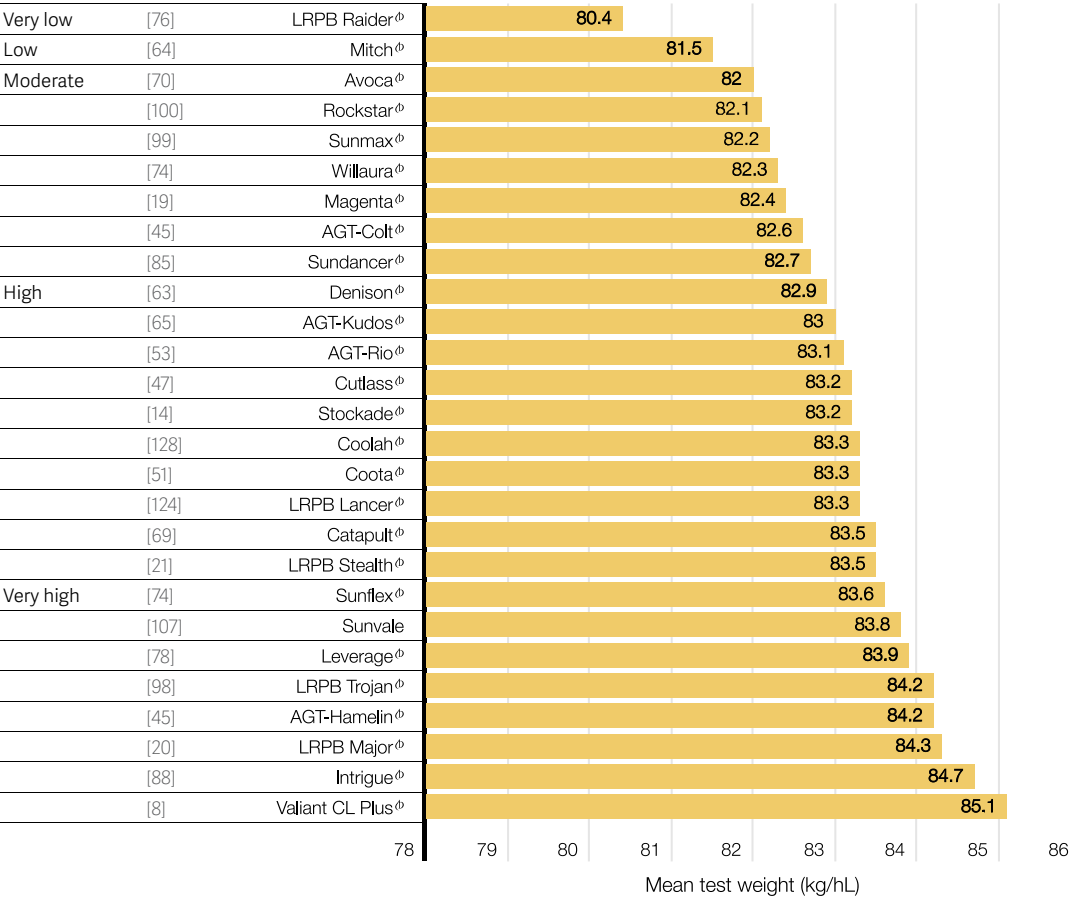
Winter habit varieties suited to 'long season' trials



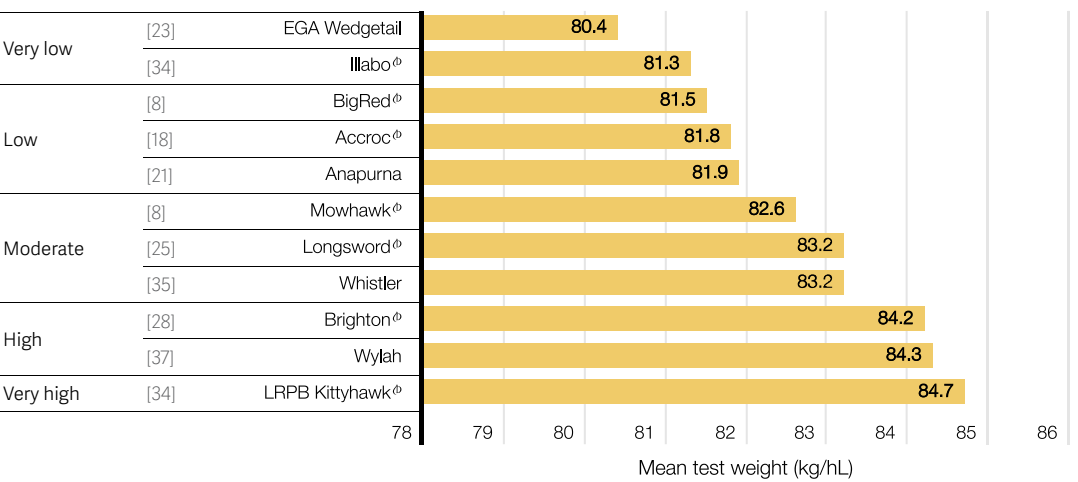
Spring habit varieties suited to 'main season' trials



Spring habit varieties suited to 'early sown' trials



Winter habit varieties suited to 'long season' trials





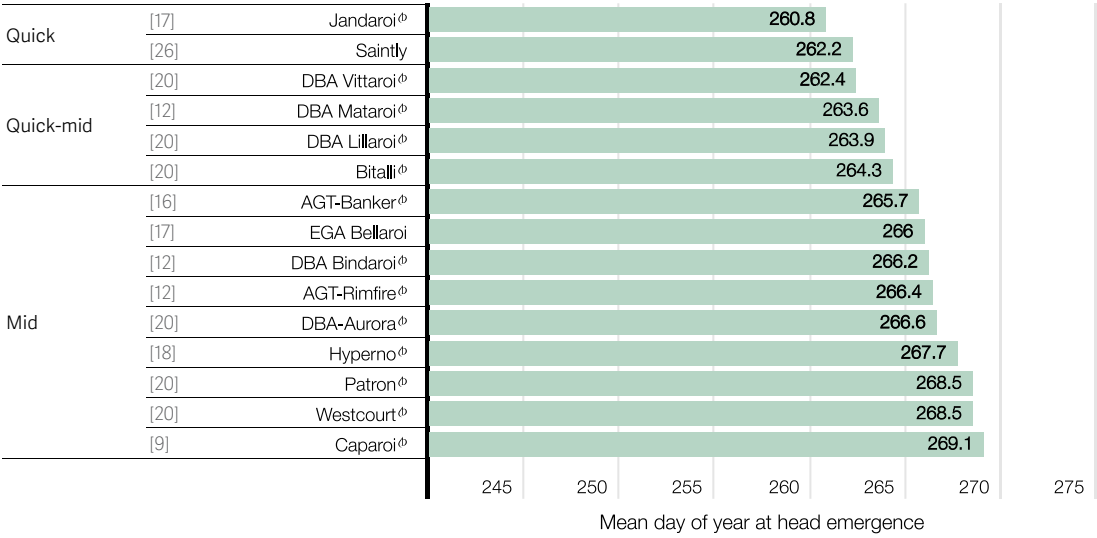
Durum agronomic trait ratings

Durum Ratings table

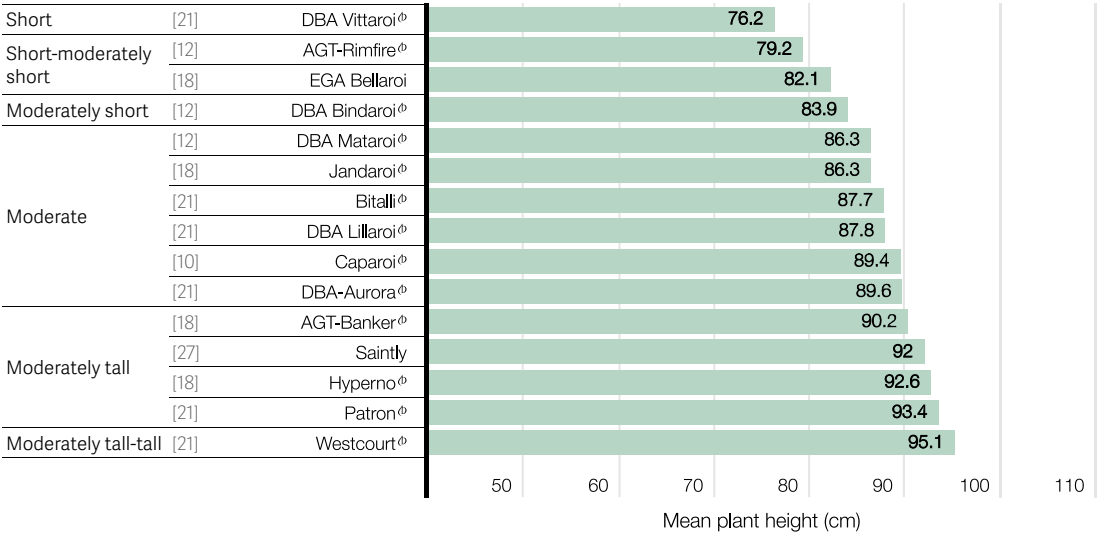
Variety	Plant Characteristics					Grain Quality		
	Maturity speed	Maturity habit	Plant height	Coleoptile length	Lodging tolerance	Screenings level	Test weight	Sprouting tolerance#
AGT-Banker [®]	Mid	Spring	Moderately tall	Short	MII	Moderate	Very high	MII
AGT-Rimfire [®]	Mid	Spring	Short-moderately short	Moderate	MTMI	Moderate	Moderate	MII
EGA Bellaroi	Mid	Spring	Short-moderately short	Moderate	MT	Low	Low	NA
Bitalli [®]	Quick-mid	Spring	Moderate	Short	I	Low	High	MI
Caparoi [®]	Mid	Spring	Moderate	Short	MII	Low	Very high	MI
DBA-Aurora [®]	Mid	Spring	Moderate	Moderate	I	Moderate	moderate	MII
DBA Bindaroi [®]	Mid	Spring	Moderately short	Moderate	MTMI	Low	High	MII
DBA Lillaroï [®]	Quick-mid	Spring	Moderate	Moderate	I	Moderate	Low	MI
DBA Mataroi [®]	Quick-mid	Spring	Moderate	Moderate	MTMI	Moderate	High	MII
DBA Vittaroi [®]	Quick-mid	Spring	Short	Moderate	MT	Low	Moderate	MII
Hyperno [®]	Mid	Spring	Moderately tall	Moderate	IVI	High	Moderate	NA
Jandaroi [®]	Quick	Spring	Moderate	Moderate	I	Very low	Moderate	MII
Patron [®]	Mid	Spring	Moderately tall	Short	I	Moderate	High	MII
Saintly	Quick	Spring	Moderately tall	Short	IVI	Moderate	High	NA
Westcourt [®]	Mid	Spring	Moderately tall-tall	Moderate	MI	Very low	Very high	MI

Maturity speed

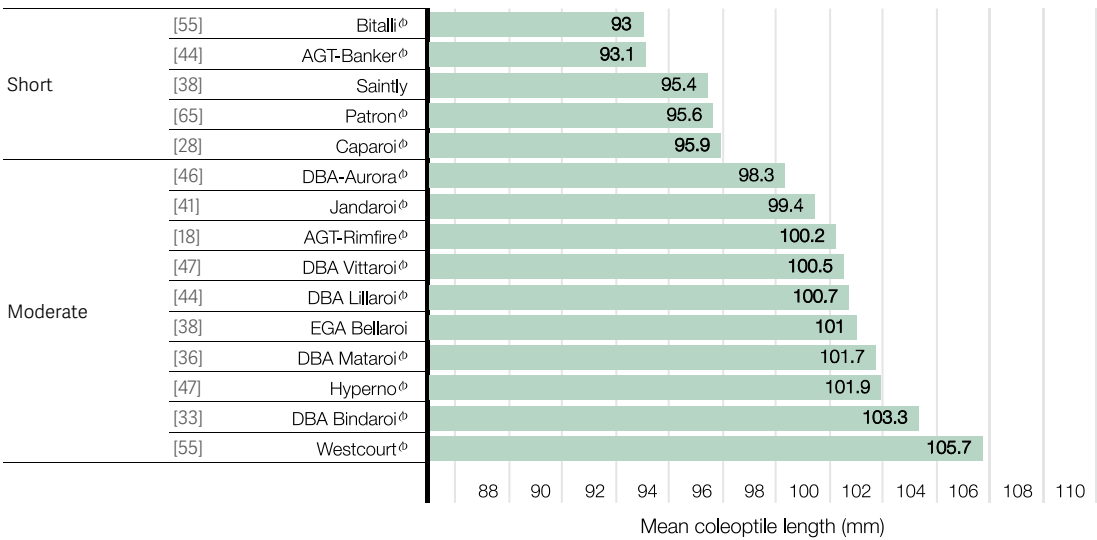
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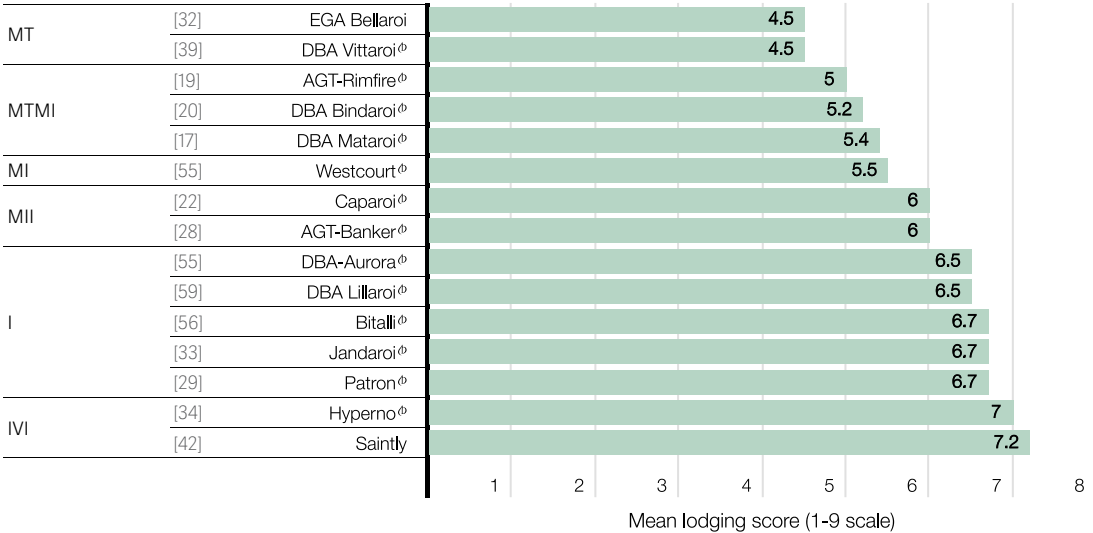
Plant height



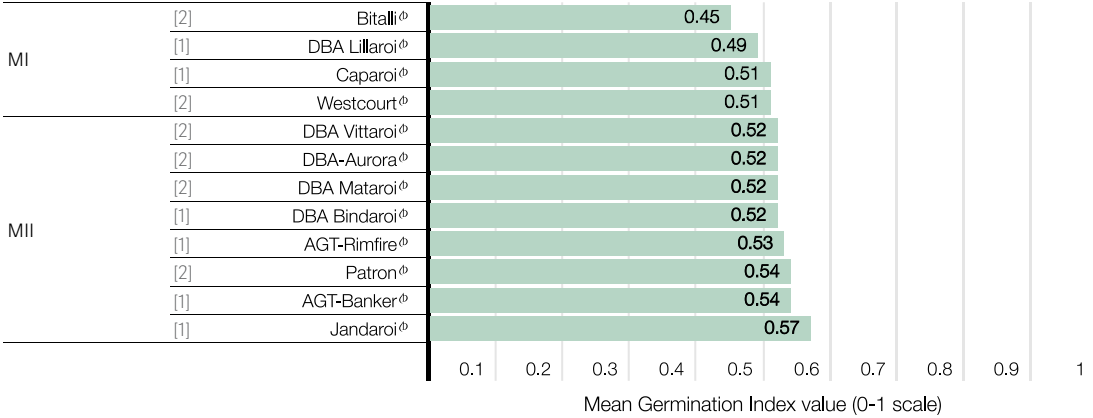
Coleoptile length



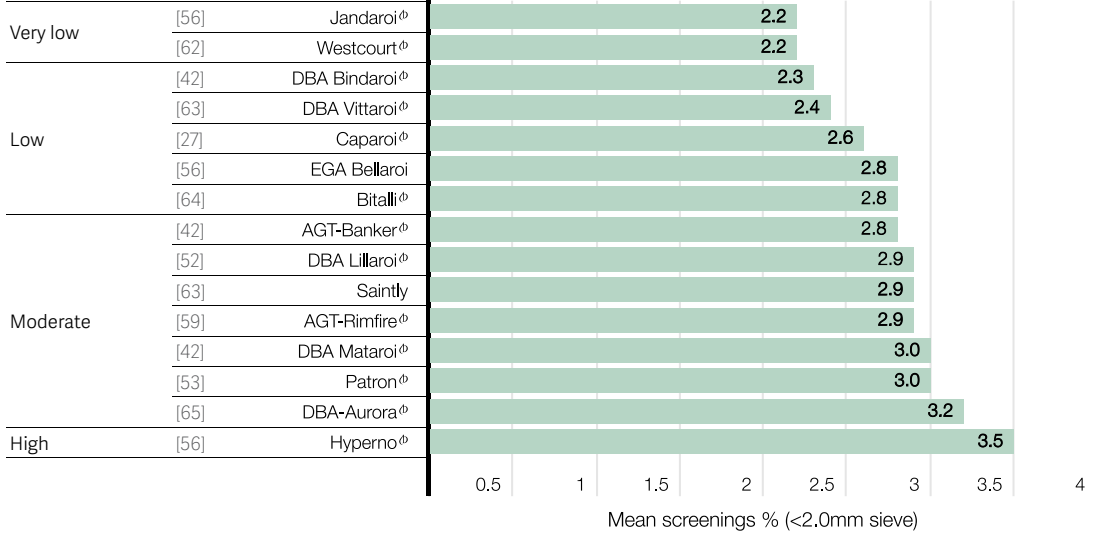
Lodging tolerance



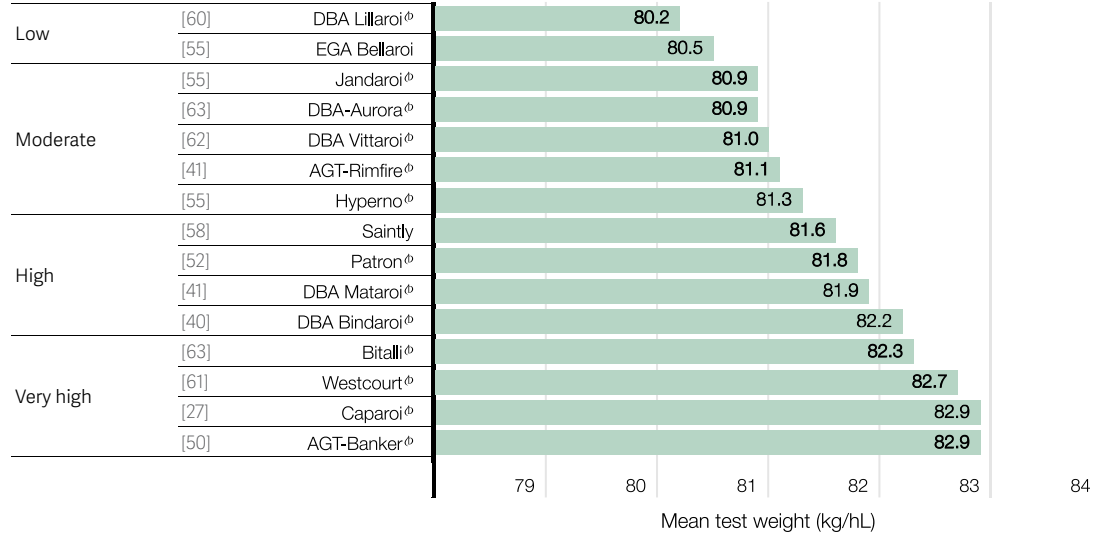
Sprouting tolerance



Screenings level



Test weight



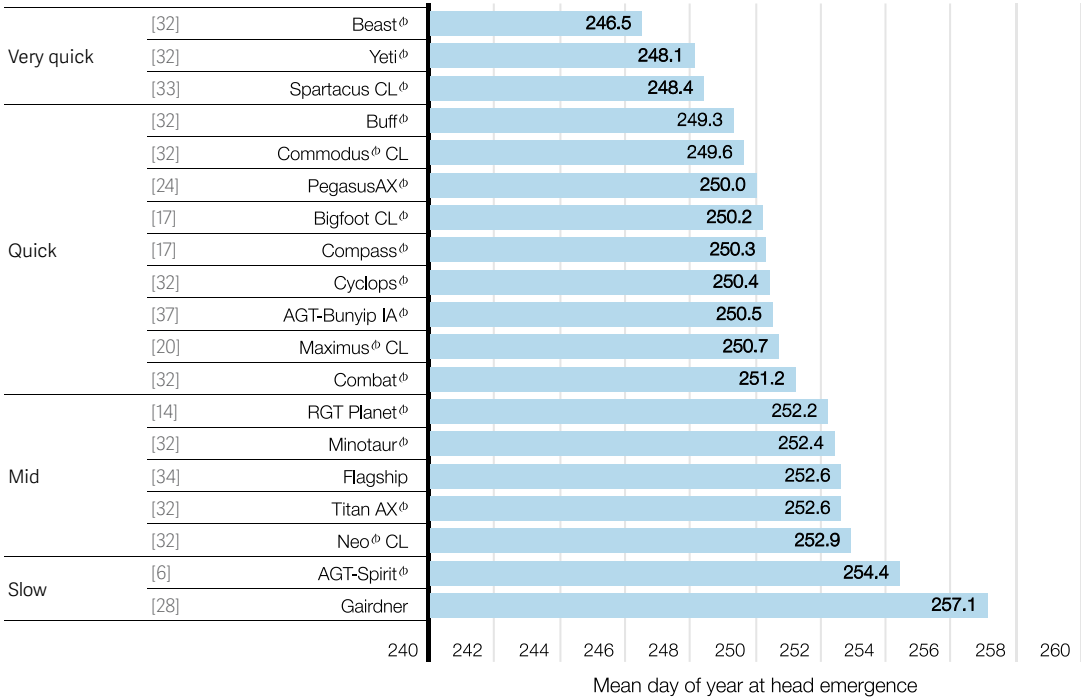


Barley

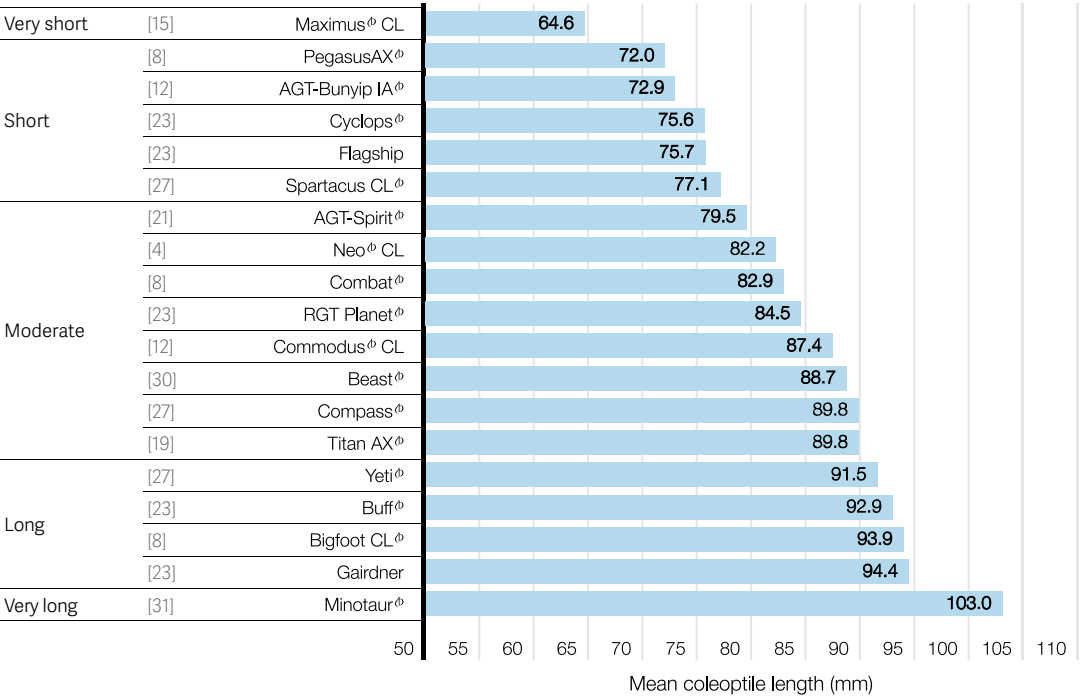
agronomic trait ratings

Variety	Plant Characteristics							Grain Quality			
	Maturity speed	Maturity habit	Early growth habit	Plant height	Coleoptile length	Rachilla hair length	Lodging tolerance	Screenings level	Retentions level	Test weight	Sprouting tolerance ^a
AGT-Bunyip IA [®]	Quick	Spring	Erect	Moderate	Short	Short	MTMI	Moderately low	High	Very high	MTMI
AGT-Spirit [®]	Slow	Spring	Semi-prostrate	Moderate	Moderate	Short	MTMI	Moderate	Moderately high	Very low	MTMI
Beast [®]	Very quick	Spring	Semi-erect	Very tall	Moderate	Long	I	Very low	Very high	Moderate	MTMI
Bigfoot CL [®]	Quick	Spring	Semi-erect	Moderate	Long	Long	MTMI	Low	Very high	Moderately high	MI
Buff [®]	Quick	Spring	Semi-erect	Tall	Long	Long	MI	High	Moderate	Low	MI
Combat [®]	Quick	Spring	Semi-erect	Tall	Moderate	Long	MI	Moderately high	Moderate	Moderate	MI
Commodus [®] CL	Quick	Spring	Semi-erect	Tall	Moderate	Long	I	Low	High	Moderate	MI
Compass [®]	Quick	Spring	Semi-erect	Very tall	Moderate	Long	I	Low	High	Moderate	MI
Cyclops [®]	Quick	Spring	Erect	Short	Short	Short	MTMI	Moderate	Moderately high	Moderately high	MTMI
Flagship	Mid	Spring	Semi-erect	Tall	Short	Long	I	Moderately high	Moderate	High	VI
Gairdner	Slow	Spring	Semi-prostrate	Tall	Long	Short	MTMI	Very high	Very low	Moderately high	MI
Maximus [®] CL	Quick	Spring	Erect	Short	Very short	Long	MT	Moderately low	Moderately high	High	MI
Minotaur [®]	Mid	Spring	Semi-prostrate	Very short	Very long	Long	MT	Moderate	Moderately high	Moderately high	MTMI
Neo [®] CL	Mid	Spring	Semi-prostrate	Short	Moderate	Short	MTMI	NA	NA	NA	NA
PegasusAX [®]	Quick	Spring	Erect	Moderate	Short	Long	MTMI	Moderately high	Moderately low	Moderately high	MI
RGT Planet [®]	Mid	Spring	Semi-prostrate	Moderate	Moderate	Short	MTMI	High	Low	Moderately low	MI
Spartacus CL [®]	Very quick	Spring	Erect	Very short	Short	Short	MTMI	Moderate	Moderate	High	MI
Titan AX [®]	Mid	Spring	Semi-erect	Very tall	Moderate	Long	I	Low	High	Moderate	MI
Yeti [®]	Very quick	Spring	Semi-erect	Moderate	Long	Long	MTMI	Very low	High	Moderately high	MI

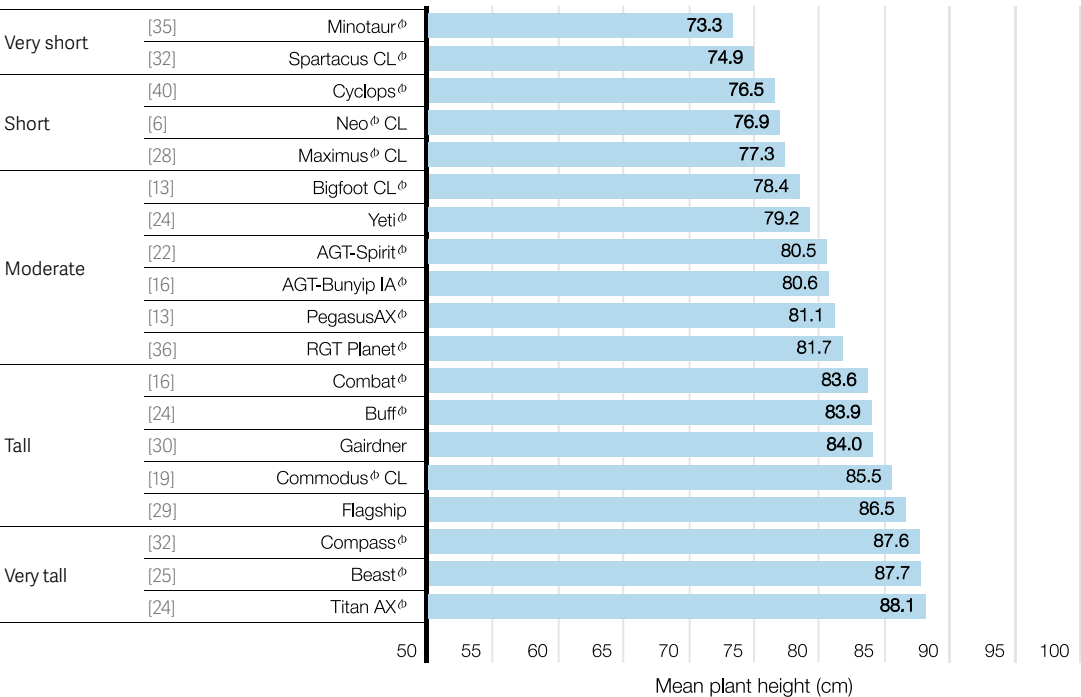
Maturity speed



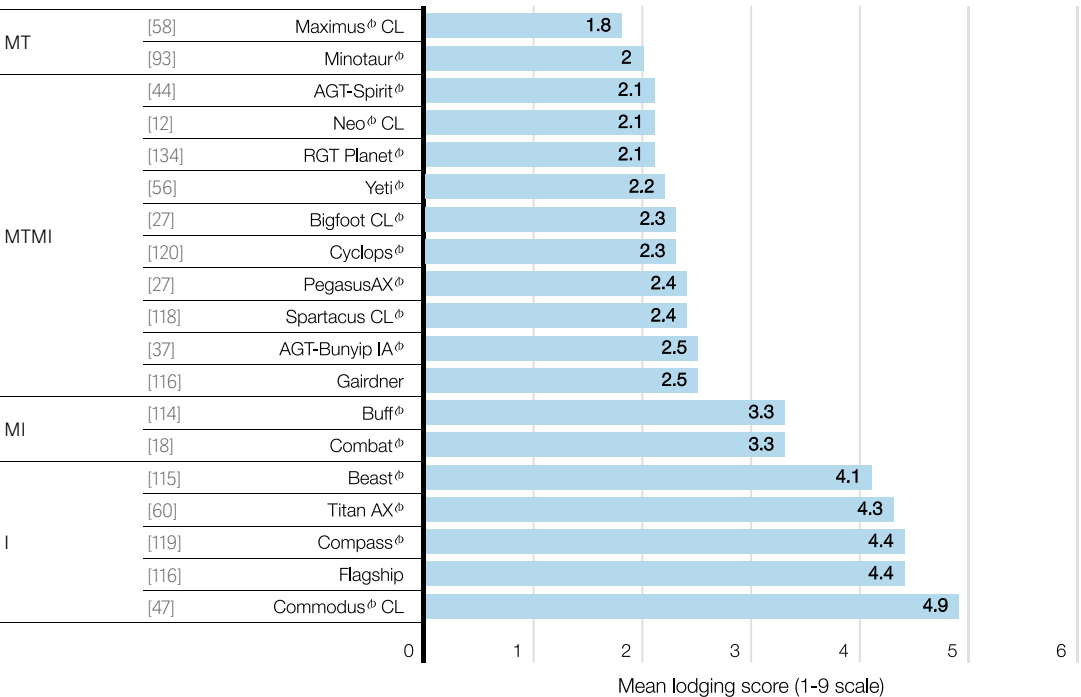
Coleoptile length



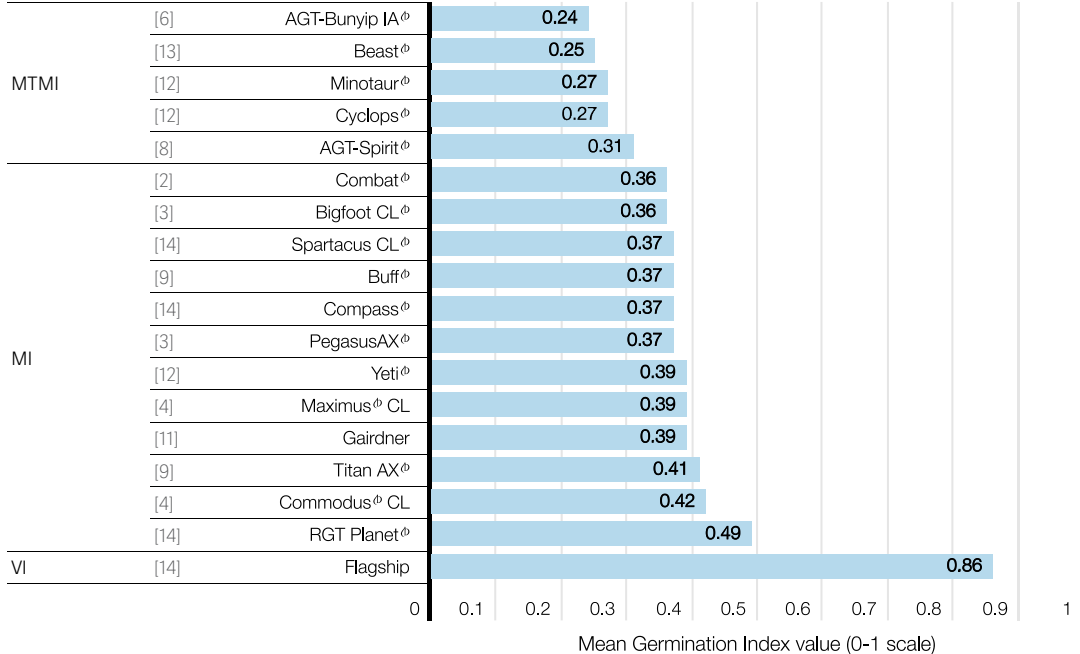
Plant height



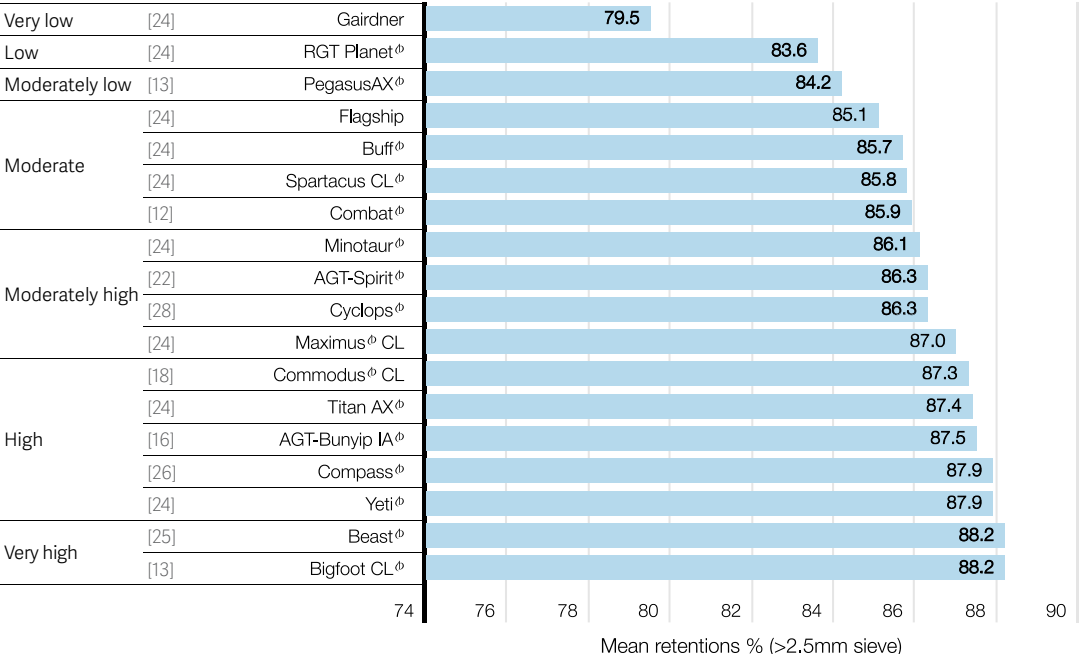
Lodging tolerance



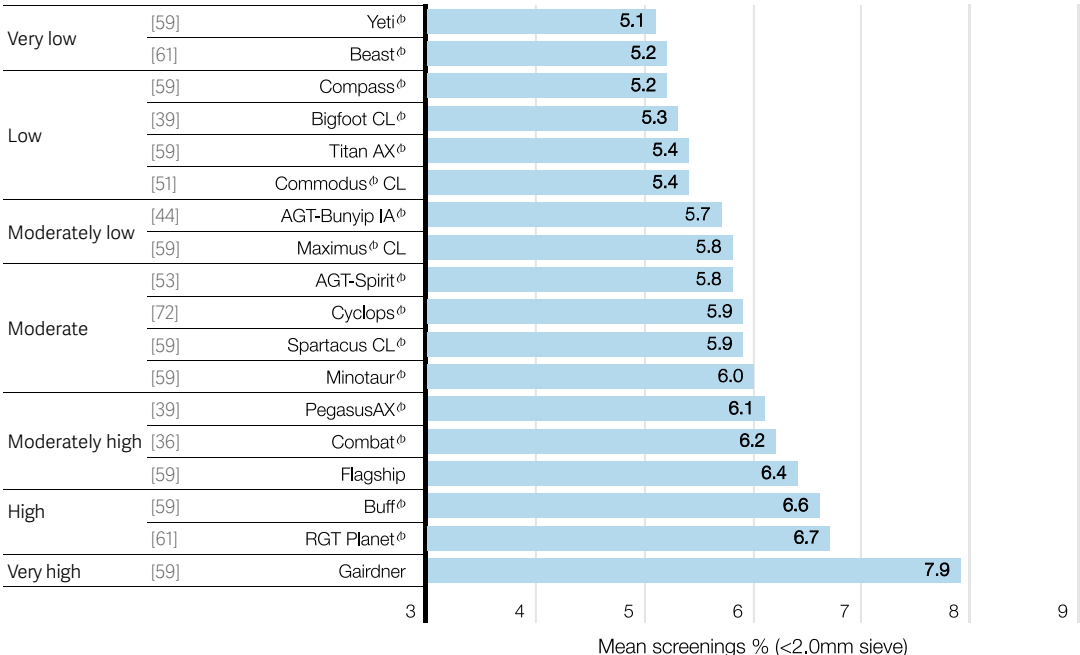
Sprouting tolerance



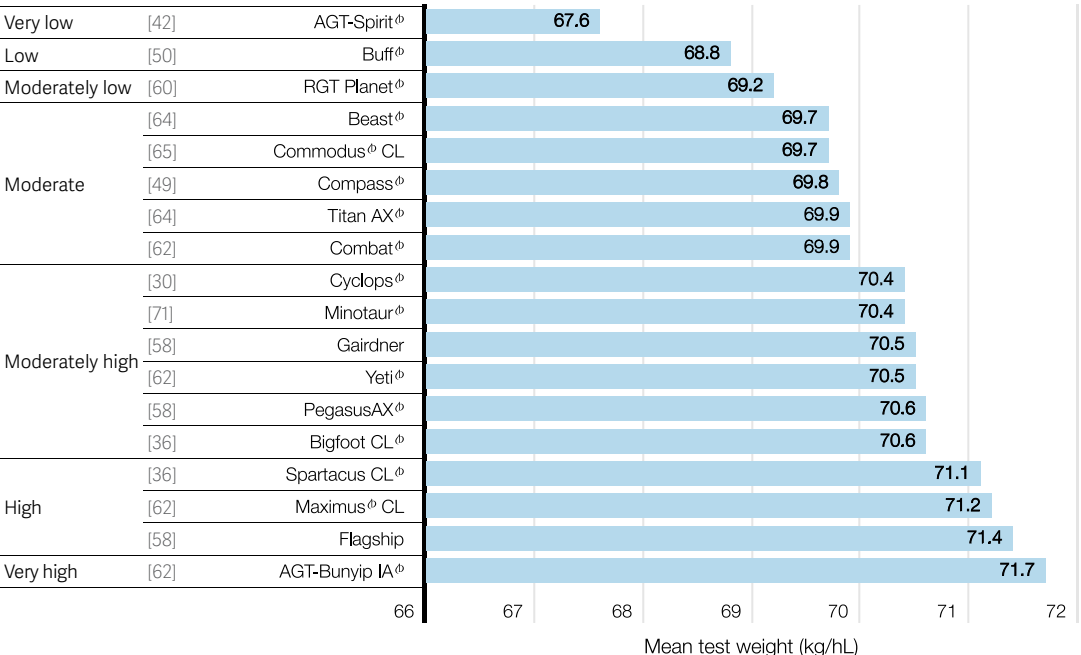
Retentions level



Screenings level



Test weight





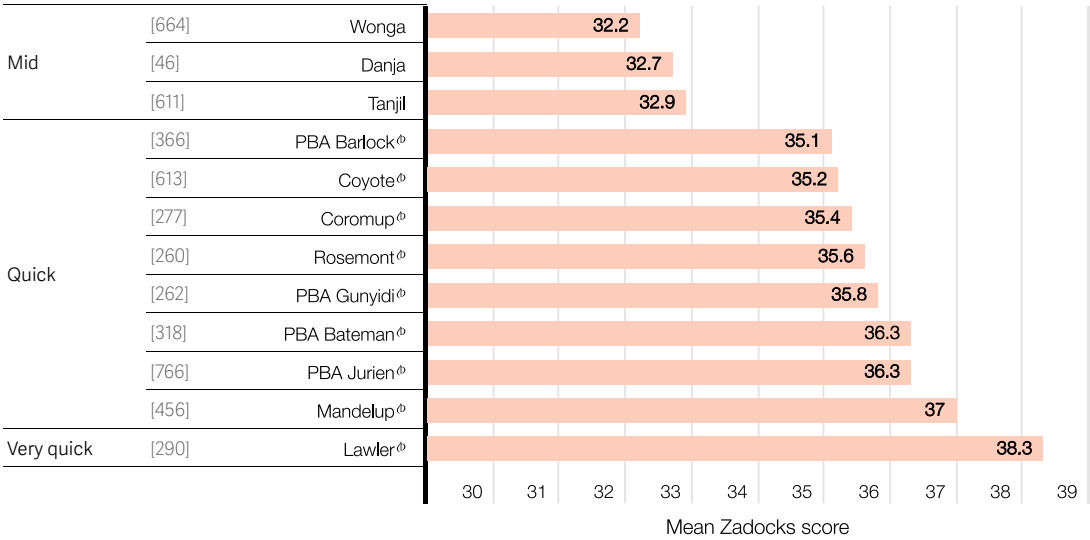
Lupin

agronomic trait ratings

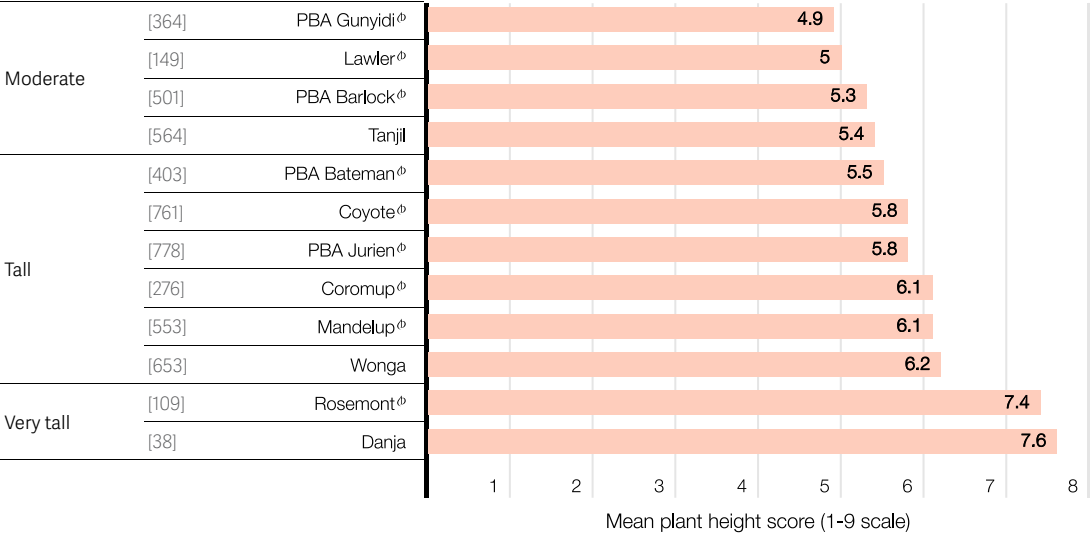
Lupin Ratings table

Variety	Plant Characteristics						Grain Quality	
	Maturity speed	Maturity habit	Metribuzin tolerance	Plant height	Lodging tolerance	Flower colour	Split seed tolerance	Alkaloid content
Coromup [®]	Quick	Spring	T	Tall	MTMI	Light purple	MT	Low
Coyote [®]	Quick	Spring	T	Tall	MT	Dark purple	TMT	Very low
Danja	Mid	Spring	I	Very tall	MTMI	Light pink	I	Moderate
Lawler [®]	Very quick	Spring	T	Moderate	MI	Light purple	I	Low
Mandelup [®]	Quick	Spring	T	Tall	MTMI	Light purple	MTMI	Low
PBA Barlock [®]	Quick	Spring	T	Moderate	MT	Light purple	MT	Low
PBA Bateman [®]	Quick	Spring	T	Tall	MT	Light purple	MI	Very low
PBA Gunyidi [®]	Quick	Spring	T	Moderate	MT	Light purple	MTMI	Low
PBA Jurien [®]	Quick	Spring	T	Tall	MI	Light purple	I	Low
Rosemont [®]	Quick	Spring	T	Very tall	MT	Light pink	TMT	Low
Tanjil	Mid	Spring	I	Moderate	MT	Dark purple	MTMI	Low
Wonga	Mid	Spring	I	Tall	MT	Light purple	MTMI	Low

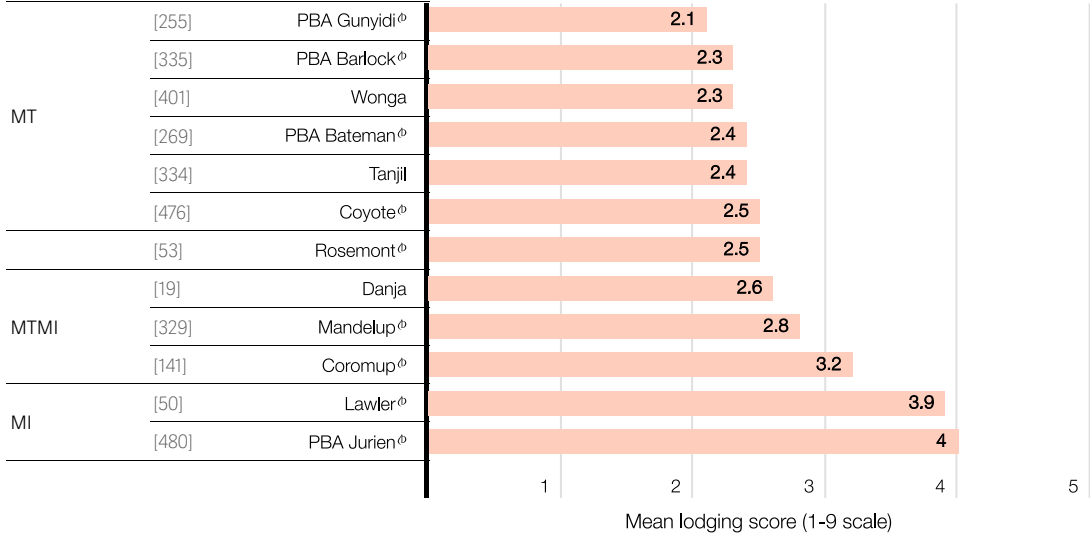
Maturity speed



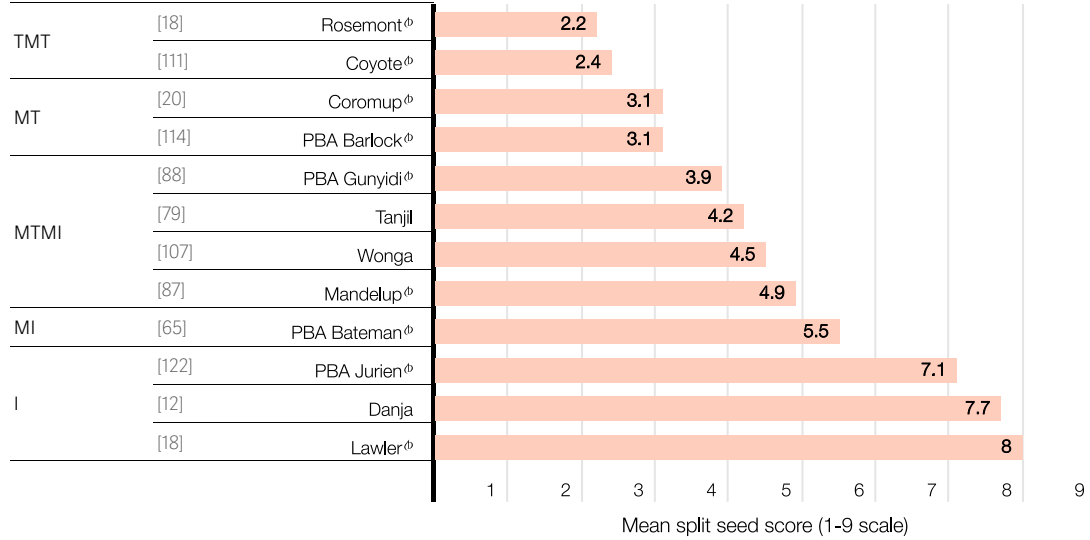
Plant height



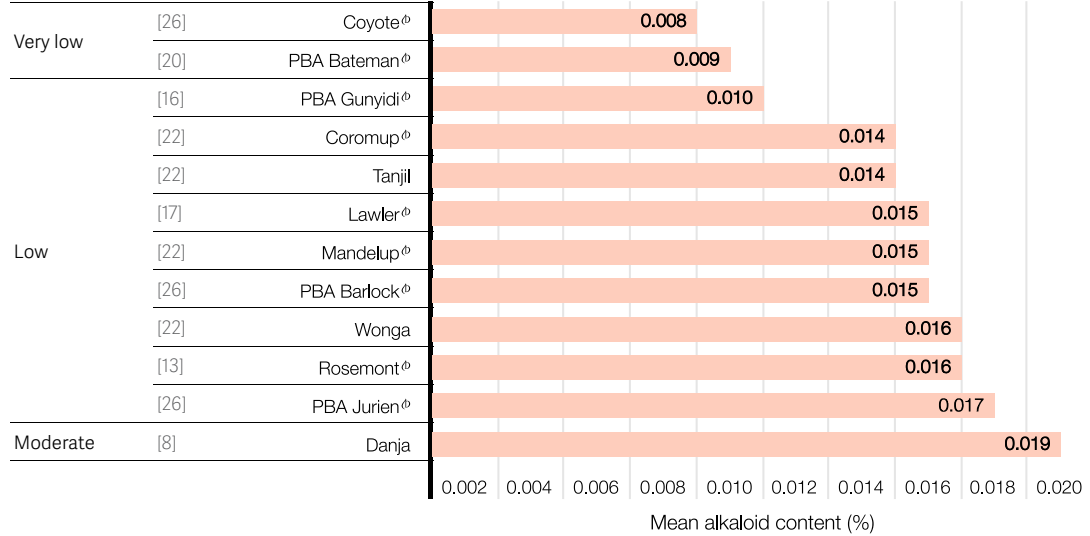
Lodging tolerance



Split seed tolerance



Alkaloid content



Disclaimer

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The data and associated ratings presented herein have been compiled, analysed and reviewed by AGT's team of breeders and statisticians. However, variety performance is inherently subject to variability, including natural variation, environmental conditions, and the location and timing of testing and data collection. As such, this information should not be relied upon as the sole basis for any commercial decision.

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