

Wheat varieties – performance in NVT's Christine Zaicou-Kunesch Department of Agriculture and Food WA





Who arrived on the WHEAT cat walk



2016 Intergrain Chief CL plus Ninja Longreach PB LRPB Arrow

LRPB Arrov Edstar

Tungsten

2015

Intergrain Hydra, Impress CL Plus, Supreme and Zen AGT Scepter, Cutlass and Bremer





Scepter can give Mace a nudge on its stronghold as dominant variety

 large grain size and yield so need to manage for protein





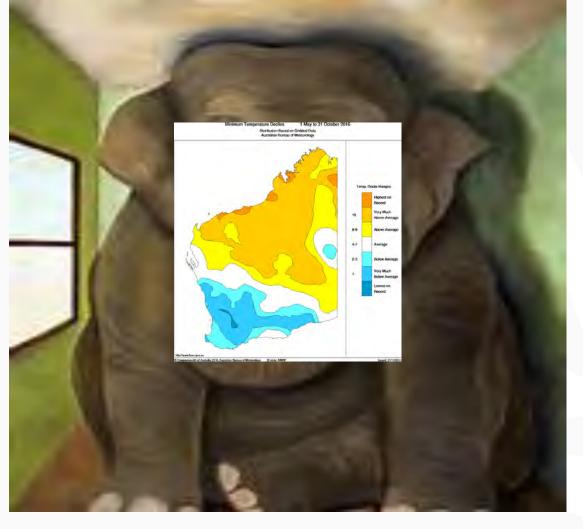
Clearfield Plus wheat options have gotten better

Ninja noodle – showing promise

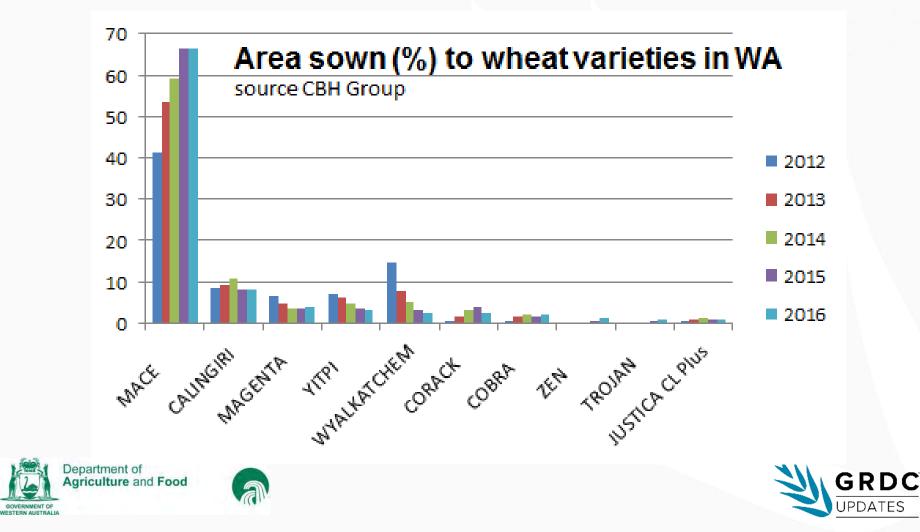




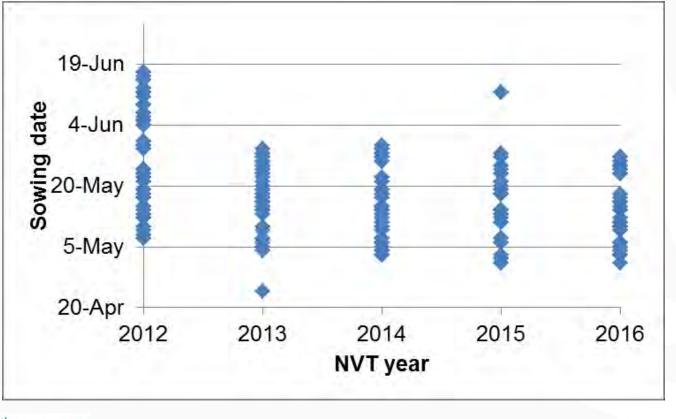
FROST







Sowing dates







Summer rain

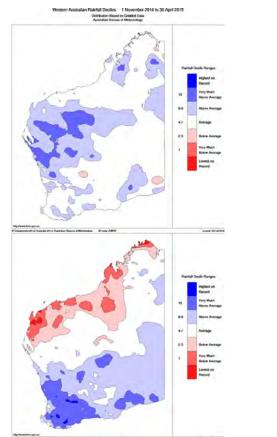
Growing season rain

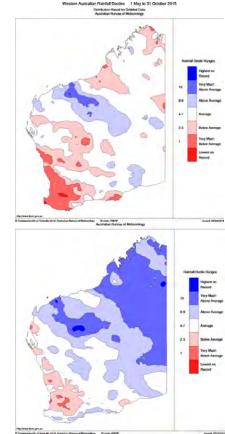
Temp

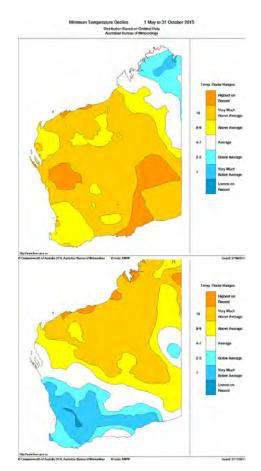
Source: Bureau of Meteorology

2015

2016







Using the NVT for variety choice?

Who can wrestle away the Mace stronghold?





	Group		2012	20	13	2014	2015	2016
Variety	Mean Yield t/ha	All Trials	1.56	2.0)7	1.91	2.39	4.10
	Trials		6	6		5	6	5
Scepter		11	11	3	112	110	109.	110
Ninja		11	11	1	112	107	111	107
Cobalt		11	10	в. 🔴	111	106	113	108
Chief CL P	lus	10	0 11		110	0 108	104	0 102
Hydra		22	10	7	107	105	106	105
Cosmick		12	0 10	7	105	105	104	108
LRPB Arro	w	11	0 10	6	108	0 104	103	103
Tenfour		22	0 10	4 🔘	101	107	102	109
Mace		28	0 11	0 0	104	108	97	0 102
Zen		22	0 10	4	107	0 102	105	102
Magenta		28	0 10	0	105	97	109	0 101
Corack		28	0 10	B	101	0 109	93	103
Cobra		22	0 10	4	102	0 102	0 101	103
Cutlass		11	0 10		102	97	107	0 101
Kunjin		0	0 10	3 🔘	100	0 102	0 101	0 101
Wyalkatche	em	28	0 10	4	103	0 103	97	99
Fang		0	0 10	1	100	0 101	0 100	100
Bremer		22	0 9	6	104	97	105	98
Supreme		22	0 10	3 🔘	99	0 102	96	0 100
Espada		12	0 10		98	0 100	99	100
Carnamah		6	9	5	102	95	104	0 100
Westonia		23	0 10	3 🔘	97	0 103	95	99
Arrino		6	0 9	в 🔘	97	0 100	0 100	0 101
Tungsten		11	0 10	0	99	99	99	98
DS Pascal		0	0 9	9 🔘	99	99	99	97
Fortune		23	0 10	D ()	98	98	99	98
EGA Bonni	ie Rock	23	0 10	0 0	97	0 101	94	98
Buchanan		11	9	1 🔘	98	93	106	99
B53		11	9	1 ()	99	93	105	97
Wedin		0	0 9	6 ()	99	94	0 100	98





Agzone 1: NVT Year group

Long Term Yield Report

Report Type Year Year 2016 Crop & Type Main Season Wheat State WA Region Agzone1

	Group		2012	2013	2014	2015	2016
Variety	Mean Yield t/ha	All Trials	1.56 6	2.07	1.91	2.39	4.10
	Trials			6	5	6	5
Cobalt		11				113	105
Scepter		11				109	110
Ninja		11				111	107
Hydra		22		107	105	106	105
Chief CL PI	us	10			108		0 102
Cosmick		12		105		104	
Tenfour		22		0 101	107	102	109
Cutlass		11				107	0 101
Zen		22		107	102	105	102
Mace		28	110	0 104	108	97	0 102





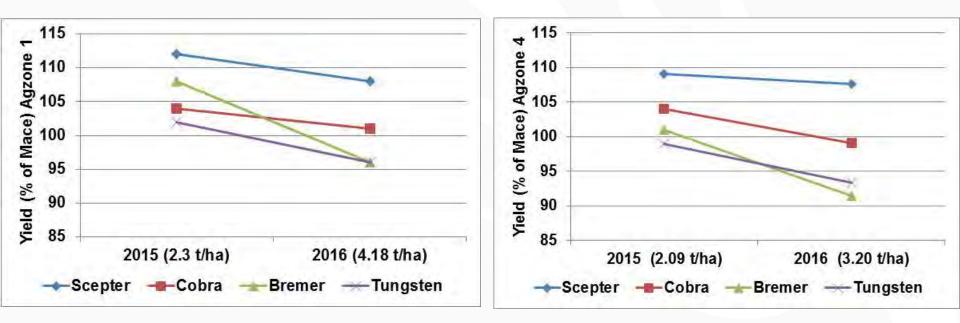




Scepter - stable production over 2 years across agzones



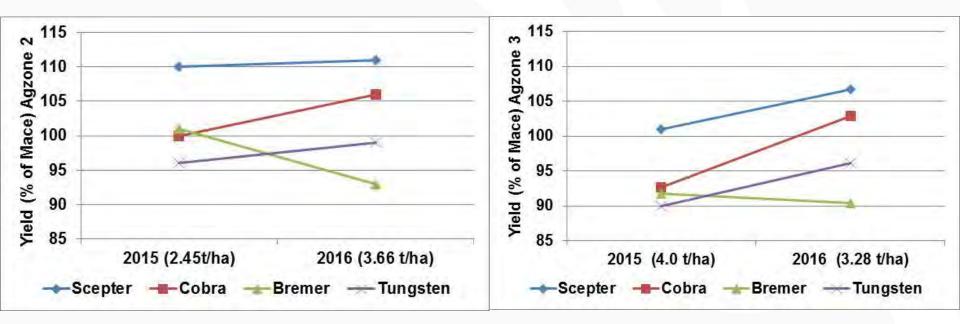
Agzone 1 and 4







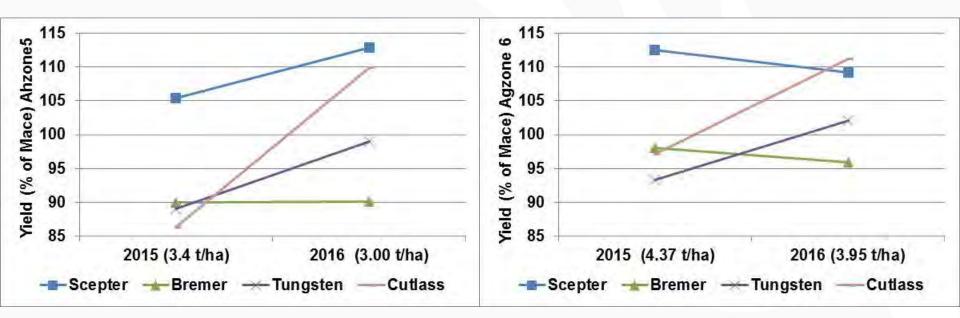
Agzone 2 and 3







Agzone 5 and 6



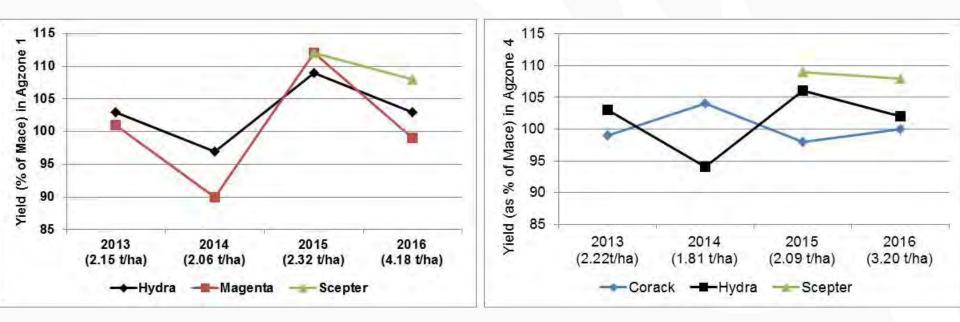




APW - Agzone 1 and 4

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Variety	Bremer	Cobra	Hydra	Mace	Scepter
Maturity	Mid	Short-mid	Short-mid	Short-mid	Short-mid
Classification	AH	AH	APW	AH	AH
EPR	\$3.25	\$3.50	\$3.85	\$3.00	\$3.25
Septoria nodorum blotch	MS	MRMS	MSS	MS	MRMSp
Yellow spot	MSS	MRMS	MRMS	MRMS	MRMS
Stem Rust	RMR	RMR	MRMS*	MR	MR
Stripe rust	MR*	MSS	MS	RMR*	MR*
Leaf rust	MR	MR	MRMS	MS	MR
Powdery mildew	SVS	MSS	S	MSS	SVSp
Crown Rot	S	S	Sp	S	?





	Cutlass	Yitpi	Tungsten
Maturity	Mid-long	Mid-long	Mid-long
Classification	APW	AH	AH
EPR	\$3.00	\$1.00	?
Septoria nodorum blotch	MRMSp	MS	MRMSp
Yellow spot	MSS	SVS	MSS
Stem Rust	R	S	SVS
Stripe rust	RMR*	MRMS	RMR
Leaf rust	RMR	MSS	MS
Powdery mildew	Sp	MRMS	MS

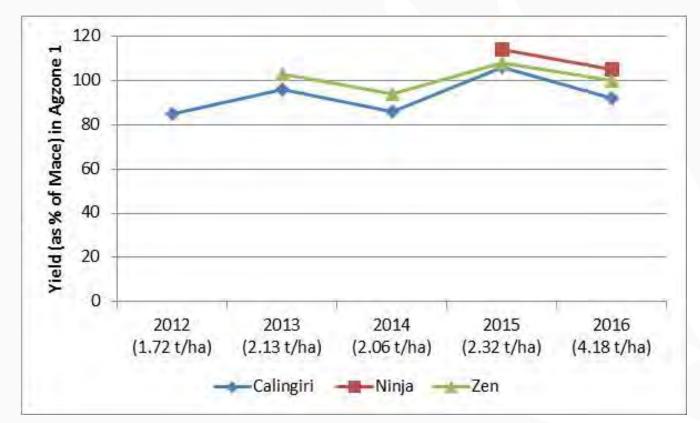




Noodle wheats (ANW)











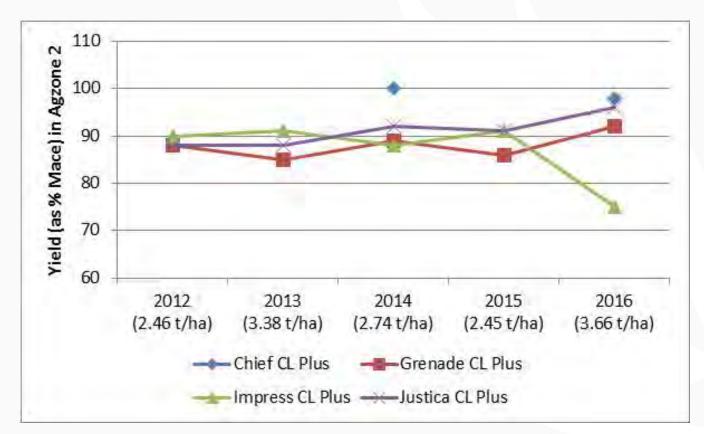
		Calingiri	Ninja	Zen
	Maturity	Mid-long	Mid	Mid-long
	Trait			
	Classification	ANW	ANW	ANW
	EPR	-	\$4.00	\$3.85
	Septoria nodorum blotch	MSS	MSSp	MRMS
	Yellow spot	MSS	MRMS	MRMS
	Stem Rust	S	SVS	MSS
	Stripe rust	S	MS	MRMS
	Leaf rust	MS	MS	MR
	Powdery mildew	S	VS	SVS
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Clearfield wheats (APW-imi) Who is the new chief?











	Chief CL Plus	Impress CL Plus	Justica CL Plus
Maturity	Mid	Short-mid	Mid-long
Trait			
Classification	APW -imi	APW-imi	APW-imi
EPR	\$4.25	\$4.1	\$3.55
Septoria nodorum blotch		MSS	MS
Yellow spot	MRMS	MRMS	S
Stem Rust	RMR	MR	MR
Stripe rust	S	MSS	RMR*
Leaf rust	R	R	MS
Powdery mildew		SVS	MSS





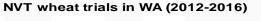


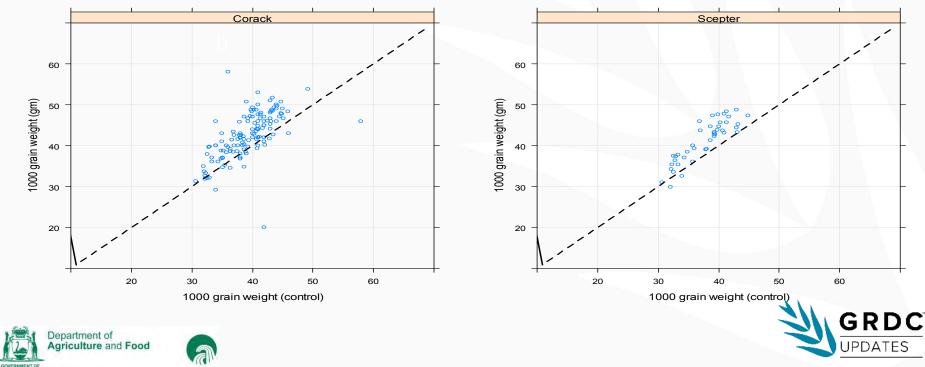
Quality: difference between varieties ?



Scepter has a large grain size

NVT wheat trials in WA (2012-2016)



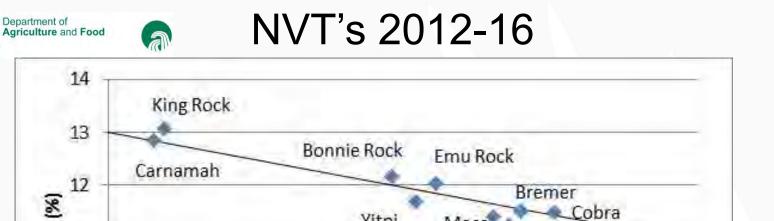




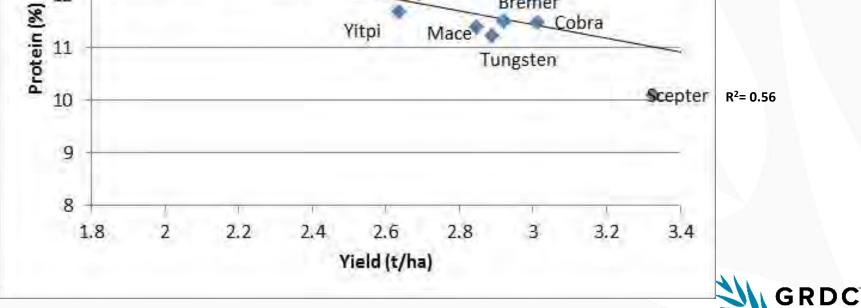
Quality: difference between varieties?

Measure your grain size to adjust seeding rates if you are targeting a plant density





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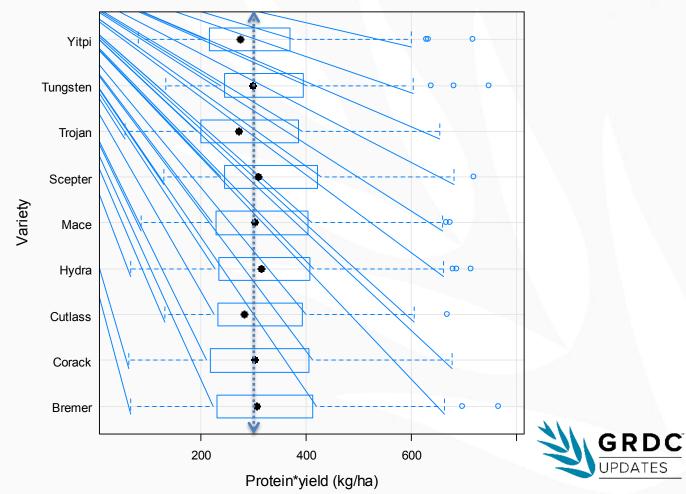


UPDATES



NVT wheat trials in WA (2012-2016)

NVT's 2012-16





Scepter can give Mace a nudge on its stronghold as dominant variety - large grain size and yield so need to manage for protein





Ninja noodle and the Chief imi are showing promise





Acknowledge NVT online, Service provider G Trainor, B French and D Ferris







NVT information to support variety decisions

nvtonline.com.auapp.nvtonline.com.auApp store: NVT long term yield reports







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