

Allowable Described Variants 2010

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Variety	Variant	Number Allowed
Hitch (HW9W02-942R)	Taller (>10 cm)	0.5% (5 per 1,000)
	Red Chaff	0.01% (1 per 10,000)
	Awnless	0.03 (3 per 10,000)
Armour (HV9W96-1271R)	Taller (> 10 cm)	0.4% (4 per 1000)
	Red Chaff	0.02% (2 per 10,000)
	Awnless	0.02% (2 per 10,000)
2137	Slightly shorter	50 per 5,000
	Taller and slightly later	1 per 5,000
	awnless	1 per 10,000
2145	Brown Glume	1 per 1000
	Slightly Taller	1 per 1000
	Different beak and glumes Characters (shorter beaks)	1 in 10
2174	Talls in unspecified quantity	
336 Winter Triticale	Taller or taller with white chaff	1 per 100 (1%)
	Awnless	1 per 1000(0.1%)
	Awnletted	1 per 1000
	Curled awns	1 per 1000
539R	Talls (> 10 cm)	10 per 10,000
	White Chaff	10 per 10,000
696R	Talls (> 10cm)	5 per 10,000
	Red Chaff	100 per 10,000
7853	Taller (3 to 10 cm)	19 per 5,000
	Darker green color	5 per 5,000
	Lighter green color	2 per 10,000
Above	Talls	1 per 1000
	Brown glume color	1 per 1000
	Sensitive to imazamox	40 per 1000
Alliance	Red chaff plants	10 per 5,000
	Black chaff plants	5 per 10,000
	Taller (3-7cm)	5 per 5,000
APO401CL	Taller (8 to 15 cm	7 per 1000
	Red seeded plants)	2 per 10000
		Up to 1% total variants
AP402CL2	Green Plants at boot stage	8 per 1000
	Taller (5 to 15 cm)	3 per 10,000
	Red Chaff	3 per 10,000
	Awnletted	2 per 10,000
APO502CL	Taller (8 to 15 cm)	7 per 1000
	Red seeded plants	5 per 10,000
		Up to 1% total variants
AP503CL2	Taller (8 to 15 cm)	9 per 1000
	Bronze Chaff	1 per 10,000
	Awnless	1 per 10,000
Arapahoe	Taller (5 – 13 cm)	1 per 5,000
	An unspecified low level of awnless or red chaff use:	1 per 10,000
Arlin	Slightly taller	
	Darker	
	Slightly later	
	Total Above	1 per 10,000
	Red seed	15 per 5,000

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Art (98x0338-13)	Taller Awnletted	7 per 1000 1 per 1000
Aspen (1383W)	Taller (5-10) Bronze/brown chaff Red Seed	3 per 1000 1 per 1000 5/1000
Avalanche	Talls Brown glume color Red seed coat	1 per 1000 1 per 1000 1 per 200
Bakers White	Taller (8 to 15 cm) Red seed	Up to 1 per 100 Up to 7 seeds per 1000 seeds
Bess	Variants include those that have a lax head with tip awn, were tall and awnletted with light green heads, were blue-green and awnletted, or were short and awned.	up to 1% ?
Betty	Darker green plants Plants with darker glumes Taller plants Slightly later plants Red seeded plants	5 per 5,000 5 per 5,000 1 per 10,000 1 per 10,000 10 per 5,000
Big Dawg	Talls (2-6") awnletted	43 per 5,000 2 per 5,000
Bill Brown	Taller (greater than two head lengths) Brown (not bronze) chaff	1 per 1000 1 per 1000
Billings	Described as uniform, no variants	0
Bond CL	Slightly Taller Brown Glumes Sensitive to Clearfield herbicide	1 per 1000 1 per 1000 40 per 1000
Burchett	Taller (8 to 15 cm) Red Seeds	Up to 1 per 100 Up to 7 seeds per 1000 seeds
Bullet	Stated uniform no plant variants other than up to 2% white kernels	
Centerfield	uniform, no phenotypic variants	0
Champ	Variable height & maturity	50 per 5,000
CJ	Taller (8 to 15 cm) Awnletted Bronze chaff	8/1000 1/2500 1/2500 Up to 1% total variants
Colby 94	brown	1 per 5,000
Coronado	Talls (3-6") Awnletted Blue Red chaff	30 per 5,000 4 per 5,000 2 per 5,000 1 per 1000
Cougar	Taller Red chaff	10 per 1,000 10 per 1,000
Cutter	Taller (8 to 15 cm) Awnletted	7 per 1000 1 per 12,000 Up to 1% total variants
Danby	Slightly taller Brown chaff Red seeded	1 per 1000 1 per 1000 1 per 200
Deliver	Described as uniform, no variants	0
Dominator	Talls (2-6") Blue-green at boot stage awnletted	40 per 5,000 4 per 5,000 1 per 5,000

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Dumas	5 to 15 cm taller	Up to 50 per 5,000 (1%)
Duster	uniform, no variants	0
Endurance	taller, up to 4 inches under good conditions	0.1% (1:1000)
Enhancer	Slightly taller with more erect heads	5 per 5,000
Everest (KIN 14)	Taller	1 per 5000
Foster	Awned Tall with compact spike Tall with lax spike	2 per 5,000 1 per 5,000 2 per 5,000
Fuller (KS00F5-14-7)	Taller White chaffed plants	less than 1 per 10,000 1 per 1000
Gem		
Gro-Green Plus triticale (NE96T441)	Taller (10 -20 cm) Shorter (10 – 20 cm) and 3 to 4 days later	1 per 10,000 1 per 8000
GSR 2542	Taller (late tillers tend to tall)	<5 per 5,000
Guymon	described as uniform minimal height variants	
Hatcher	Slightly taller Brown glumes	1 per 1000 1 per 1000
Hawken	Taller Awnletted	7 per 1000 1 per 1000 up to 1
Heyne	Lighter green White to tan glumes Taller Slightly later Red seed	5 per 5,000 5 per 5,000 1 per 5,000 1 per 5,000 10 per 5,000
Hitch	Taller (> 10 cm) Awnless Red Chaffed plants	5 per 1000 3 per 10,000 1 per 10,000
Hickok	Talls	45 per 5,000
Hondo	Taller (8 to 10cm) Awnletted Green color at boot Total	28 per 5,000 2 per 5,000 6 per 5,000 50 per 5,000
Ike	Taller Red chaff Slightly earlier heading Total	1 per 10,000
Infinity	Taller (10-15cm) awnless with red chaff (other reds would be off-types based on this description)	up to 10 per 1000 total variants
Intrada	Pale bronze	5 per 1000
Jackpot	Taller (8 to 10 cm) Awnletted White Chaffed	7 per 1000 2 per 5000 2 per 5000
Jagalene	Taller (8 to 15 cm) Awnletted	7 per 1000 2 per 10,000 Up to 1% total variants
Jagger	Blue-green White to tan glumes Talls Red glumes &/or later	50 per 5,000 5 per 5,000 5 per 5,000 1 per 10,000

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Kalvesta	Slightly taller with more erect heads	5 per 5,000
Karl and Karl 92	Taller Slightly earlier Off-color beardless Total Karl Total Karl 92	1 per 15,000 1 per 10,000
Karl 92	Slightly taller Slightly darker Slightly later Total	1 per 10,000
Keota	Bronze Chaff Slightly Shorter Longer, more lax head	1 per 10,000 1 per 10,000 1 per 10,000
Keota (980143)	Bronze chaff Longer, more lax head type Slightly shorter plants	1 per 10,000 1 per 10,000 1 per 1000
Lakin	Red chaff Slightly taller Red seed	<2 per 1000 <2 per 1000 <2 per 1000
Laredo	Talls (2-3")	45 per 5,000
Longhorn	5-12 cm taller awned Total	5 per 1,000 1 per 10,000 10 per 1,000
Mankato	Taller and later Light green Red chaffed Awnless Total	5 per 5,000
Millenium	Taller (10 – 15 cm) Awnless with red chaff Total	10 per 1,000
Neosho	Taller Bronze chaff Awnless	32/5000 4/5000 4/5000
Niobrara	Taller (8-20 cm) Red chaff	40 per 5,000 5 per 10,000
Nu Horizon	Taller (8 to 15 com) Red seeded variants	7 per 1000 3 per 1000 up to 1% variant plants
NuDakota	Taller (8 to 15 cm) Red seed	up to 10 per 1000 (1%) 8 per 1000
NuFrontier	Taller (8 to 15 cm) Red-seeded variant	8 per 1000 2 per 1000 up to 1% variant plants
NuGrain(96x530w)	Taller (8 to 15 cm) Red seeded	up to 10 per 1000 up to 8 per 1000

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NuHills	1.Blue-green at boot stage 2.Taller 3.Red chaff 4.Awnletted Red Seed	2 per 5000 33 per 5000 2 per 5000 2 per 5000 Total 1,2 ,3,4 up to 1% Up to 7 per 1000(0.7%)
Ogalalla	Talls awnletted	48 per 5,000 2 per 5,000
OK Bullet	white seed	up to 2%
OK101	Tall Variants Bronze-chaffed Tip-awned	“varying frequencies” “very low frequencies” “low frequency”
OK102	Unavailable	
Onaga	Slightly taller Awnless Red chaff	5 per 5,000 5 per 5,000 5 per 5,000
ORO Blanco	Taller (6 to 15 cm) Blue-green at boot stage Awnletted Total	32 per 5,000 2 per 5,000 2 per 5,000 50 per 5,000
Overland, NE01643	Taller (10-15cm) or awnless and/or with red chaff	Up to 1% (10:10,000)
Overley	White or light-tan glumes Taller White-white seed	1 in 200 1 in 5000 1 in 1000
Patton	Taller (8 to 10 cm) Green plant at boot Awned Total	20 per 5,000 10 per 5,000 6 per 5,000 50 per 5,000
Pennbar 66 barley	awnletted longer awns	Total less than 0.5% or 1 per 200
Pecos	Awnless 5 to 10 cm taller Total	3 per 5,000 23 per 5,000 50 per 5,000
Pete (awnless)	Awned plants, similar in all other characters	5/1000
Platte	Taller (5 to 15 cm) Awnletted Blue green at boot stage Total	6 per 1000 1 per 1000 1 per 1000 Up to 1% total
Platte2	Taller (8 to 15 cm) Awnless Bronze chaff red seeded	7 per 1000 1 per 2500 1 per 2500 8 per 1000
Ponderosa	Talls Bronze chaffed	48 per 5,000 2 per 5,000
Postrock	Taller (8 to 15 cm) White chaff Awnless	7 per 1000 1 per 2500 1 per 2500
Protection CL (CO991132)	White glumes Taller (4-6 inches) White Glumes Sensitive to Clearfield herbicide	1 per 1000 1 per 1000 1 per 1000 40 per 1000

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Ripper	Slightly Taller Brown glumes	1 per 1,000 1 per 1,000
RonL(KS03HW158)	Slightly Taller Brown glumes Red Seed	1 per 1000 1 per 1000 1 per 200
Rowdy	Talls (3-6") Awnletted blue	24 per 5,000 8 per 5,000 6 per 5,000
Santa Fe (glume color is tan with a gray-brown upper half)	Later Taller Shorter, white chaffed White seeded plants	2 per 1000 1 per 1000 2 per 1000 2 per 1000
Settler CL	Taller (8-15 cm) Darker or black chaff (may be disease, breeder didn't know)	Up to 2% variants (20 per 1000)
Shavano (980926W)	Taller (5-10 cm) Bronze chaff Red seed	4 per 1000 1 per 1000 8 per 1000
Shocker	Bronze or brown chaffed plants (2 per 1000) Slightly taller (2 per 100) Later (1 per 1000) Awnless (1 per 100,000)	2 per 1000 1 per 1000
Smokey Hill	White chaff Taller	3 per 1000 1 per 1000
Snow White	Red grain Light colored glumes Taller (7 to 13 cm) Glume morph, is variable Shoulders wanting Beaks wanting	5 per 5,000 5 per 5,000 5 per 5,000 5 per 5,000 5 per 5,000
Spartan (CB94005RP)	Taller (5 – 10 mm) Bronze/Bronze chaff	2 per 1000 1 per 1000
Stanton	Red chaff Slightly taller	1 per 5,000 1 per 5,000
Sturdy 2K	UNAVAILABLE	
SY Gold	Taller (8 to 15cm) Awnletted	8/1000 1/2500
T136 (QA only)	None described, report on findings	
T140 (QA only)	None described, report on findings	
T151 (QA only)	None described, report on findings	
T81	Awnless Brown glumes Taller	6 per 1000 3 per 1000 3 per 1000
TAM 107	Whites & tall reds Tall whites	5 per 5,000 5 per 5,000
TAM 110	Talls (twice head length) White chaffed	5 per 5,000 5 per 5,000
TAM 111	Taller (4 –6 inches) Red chaff color Awnless	2 per 1000 1 per 1000 1 per 1000
TAM 112	Taller (10 cm)	5 per 1000
TAM 203	Taller (2 to 4 inches)	0.01% (1 per 10,000)

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TAM 302	Taller (6 – 12”) Red chaff	1 per 2,000 1 per 1,000
TAM 304	Taller (4 to 6 inches)	0.01% (1 per 10,000)
Tambar 500 winter barley	None listed	
Tambar 501 winter barley	None listed	
TamCale 5019(Triticale)	no variants listed	0
Tarkio	Slightly Taller Bronze Chaff	2 per 10,000 1 per 1000
Tiger (QA only)	Not described, described any off-types found an dtake counts	
Tomahawk	Taller (3 to 10 cm)	50 per 5,000
Trego	Red chaff plants Taller plants Red-seeded plants (increased Sept 05	1 per 5,000 1 per 5,000 10 per 5,000
TriCal 102 (Triticale)	Fully awned, moderate to dense neck hair Tan to light brown glumes	1 per 3500 1 per 5000
Truman	no stated variants	
Turkey	unavailable	
Tut	Taller (approx. 13 cm)	1 per 10,000
Vista	Taller, later Red chaff plants	5 per 5,000 1 per 10,000
Vona	Tall awnless	1 per 10,000
WB-Stout	Taller (> 10 cm) White chaff	1/1000 1/1000
Wesley	Taller (4-8 Inches) with red or white chaff with a larger head Up to 6 “	10 per 1000
Windstar	Taller, oblique shldrs, med short beaks Red chaffed plants	5 per 5,000 1 per 20,000
Winterhawk	Taller (5-10mm) Brown/bronze chaff	1 per 1000 1 per 1000