

2003 WSU WINTER WHEAT VARIETY TRIAL SUMMARY

YIELD (BU/A)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN YIELD BU/A	VARIETY MEAN TEST WT LB/BU	VARIETY MEAN PROTEIN %	
Soft White Common																								
9120503A	35.2	52.8	77.5	62.2	74.3	65.5	84.2	95.7	101.5	108.2	122.5	103.6	114.0	114.3	125.5	135.9	143.0	138.6	156.5	173.2	104.2	59.8	9.9	
9134302A	33.7	53.1	67.1	63.3	77.2	74.1	85.1	105.4	99.7	108.2	102.7	99.3	110.4	122.8	135.8	130.1	135.5	132.1	148.0	168.2	102.6	59.1	10.0	
A9495W-G-1	42.2	46.4	68.3	68.3	73.1	66.9	80.8	94.3	80.3	91.2	98.5	98.2	98.7	109.1	98.5	108.7	120.8	123.9	126.0	130.6	91.2	60.7	9.7	
ALBION	43.8	48.1	68.8	69.8	66.6	72.8	88.7	83.0	108.4	107.6	103.7	111.3	129.3	110.5	121.4	132.1	132.4	151.6	147.6	149.7	102.3	57.9	10.0	
ARS96277	35.3	49.5	62.8	71.9	79.9	79.7	89.2	101.9	109.6	109.6	107.4	113.9	112.5	117.6	125.0	122.9	126.7	137.2	141.7	151.3	167.0	105.2	60.4	9.8
BASIN	31.6	42.5	56.4	63.2	58.9	69.5	77.6	75.5	93.6	95.7	97.0	103.6	101.3	86.6	82.1	105.5	119.9	122.1	137.7	109.1	86.5	59.2	9.5	
BEAMER	37.0	42.5	62.6	62.0	66.8	71.3	83.2	102.5	106.0	104.6	110.9	100.4	115.1	119.4	107.8	136.7	134.9	152.7	149.5	171.3	101.9	59.4	9.9	
BRUNDAGE 96	35.2	46.9	67.5	68.9	70.4	75.7	88.3	99.9	94.0	110.9	111.2	105.4	118.1	106.1	117.6	127.2	134.2	134.8	147.7	161.1	101.1	58.6	9.9	
BZ-6W98-528	38.1	57.0	62.7	71.9	70.6	74.4	86.4	105.9	101.5	109.4	107.9	96.2	90.5	126.0	131.8	129.5	128.9	140.8	137.8	174.4	102.1	61.0	10.0	
CASHUP	36.2	36.1	53.6	69.1	65.9	71.7	78.0	99.4	102.9	104.9	104.1	114.8	108.2	111.8	124.5	112.4	126.1	124.5	146.9	160.7	97.6	59.4	9.6	
CLEARFIRST	32.5	44.6	53.5	55.0	57.7	58.7	69.7	88.9	83.1	98.0	84.7	84.2	95.1	113.1	102.7	111.2	123.1	118.1	119.9	145.4	87.0	59.7	10.8	
ELTAN	43.4	42.2	62.8	69.4	65.1	62.6	86.8	96.9	99.1	104.8	114.9	115.7	104.3	116.4	103.3	123.5	133.5	135.3	141.9	139.1	98.1	58.9	9.7	
FINCH	50.3	47.8	66.4	73.6	76.2	72.6	86.9	98.3	108.7	117.7	103.4	118.7	110.6	119.2	132.0	132.5	141.2	138.5	150.7	166.1	105.6	60.4	9.5	
GT 123-64	34.6	46.3	64.9	62.3	64.3	77.2	79.4	84.0	97.6	97.4	100.0	101.5	113.5	104.9	111.6	111.1	112.6	121.2	138.3	151.2	93.7	59.7	10.4	
HILL 81	41.9	39.8	60.8	69.0	68.8	73.7	84.1	94.4	105.9	102.2	95.6	110.3	113.1	114.0	124.0	123.9	129.3	137.6	153.1	160.0	100.1	59.7	10.1	
HUBBARD	40.6	44.2	58.4	75.2	66.9	70.6	88.5	92.7	99.8	102.0	95.6	108.2	111.8	108.0	117.6	134.3	132.6	146.2	156.1	151.1	100.0	59.6	9.8	
ID587-CLRFLD	37.2	50.2	60.8	68.0	68.2	85.0	84.5	109.0	102.1	107.8	114.0	106.5	101.7	127.8	129.9	134.1	134.8	142.8	143.5	166.8	103.7	59.0	10.1	
LAMBERT	31.6	55.6	64.2	69.5	73.3	79.2	85.3	94.4	97.2	114.5	113.8	110.4	127.8	122.3	121.8	129.7	134.3	131.3	157.0	170.9	104.2	59.0	9.9	
LEWJAIN	39.0	41.0	67.9	64.3	63.6	65.8	79.3	82.7	92.4	104.0	103.6	106.0	116.7	103.4	105.2	118.9	125.5	129.3	138.9	134.7	94.1	59.5	10.0	
MADSEN	46.8	65.3	70.3	68.0	66.3	63.9	82.2	100.0	98.0	106.0	107.2	106.5	103.6	117.3	128.0	125.1	128.3	139.9	138.3	159.0	101.0	59.3	10.1	
MJ-4	50.2	48.7	65.3	71.1	69.6	63.7	86.4	86.3	106.5	89.4	109.0	111.1	127.9	107.2	118.6	131.6	136.6	130.9	150.7	162.5	101.2	57.4	10.1	
MJ-9	39.8	45.2	64.6	68.5	71.1	79.0	90.1	100.1	109.7	107.4	112.6	113.6	120.7	114.9	125.2	132.2	135.3	155.1	151.6	166.3	105.2	57.5	9.6	
MOHLER	42.6	61.1	65.8	71.1	75.9	75.0	88.4	111.6	106.9	110.6	119.0	110.3	122.1	119.0	109.6	131.6	138.3	139.6	137.6	160.3	104.7	59.3	9.7	
OR990553	31.9	50.6	56.9	68.1	71.1	74.5	79.2	97.9	100.8	102.8	106.7	95.7	100.9	111.4	128.8	119.1	123.2	134.5	136.5	166.1	97.8	59.1	10.6	
ORCF-101	37.2	52.3	62.0	69.1	73.2	70.9	83.5	93.7	90.8	103.3	108.3	100.0	104.5	116.6	124.9	117.0	129.9	131.1	142.2	150.9	98.1	59.1	10.5	
ROD	43.0	50.7	74.9	80.8	74.6	78.6	89.5	100.6	117.2	119.3	110.4	119.4	112.9	117.2	125.6	128.6	137.7	149.7	160.3	167.9	108.0	57.9	9.5	
STEPHENS	34.9	51.8	61.8	69.7	75.4	83.2	84.1	100.3	104.2	102.1	112.3	107.3	101.2	118.4	132.2	121.7	132.8	142.5	156.1	173.9	103.3	59.0	10.2	
TUBBS	43.5	58.4	73.6	78.8	74.1	78.1	92.9	97.0	112.0	116.1	117.9	119.3	120.3	124.2	140.2	131.8	150.0	146.4	156.7	169.3	110.0	58.6	9.6	
WA7916	42.1	49.5	61.7	71.9	69.3	73.5	89.3	96.0	107.9	109.0	119.2	114.2	117.6	112.7	108.3	129.0	131.4	147.7	151.1	152.2	102.7	58.4	9.7	
WA7918	48.6	41.8	65.9	69.1	73.0	65.8	83.5	94.9	107.3	113.5	106.0	127.0	113.6	106.9	109.2	120.9	139.2	134.5	149.1	144.6	100.7	57.6	10.1	
WA7932	47.7	45.8	64.3	70.3	67.5	70.5	83.9	87.9	103.3	112.2	102.5	124.3	100.3	108.9	109.8	116.0	148.0	121.5	138.0	137.8	98.0	57.6	10.0	
WA7933	49.6	54.5	63.8	71.6	68.1	77.0	83.6	98.6	96.2	97.2	108.7	106.0	117.7	113.7	124.3	120.8	123.9	139.4	150.3	100.2	60.2	10.5		
WA7934	41.4	39.8	69.2	72.4	60.5	65.9	86.4	101.1	94.0	95.7	113.8	116.6	110.1	112.3	116.8	123.3	134.2	131.2	141.6	145.8	98.6	58.9	9.8	
WA7935	41.1	47.9	71.9	72.9	59.9	74.5	87.1	95.7	96.4	106.6	104.3	115.0	101.4	114.7	114.4	121.7	131.4	137.3	136.7	141.6	98.6	59.6	9.7	
Soft White Club																								
ARS00173	40.6	52.7	62.7	67.0	71.7	70.7	88.0	97.1	101.5	115.1	108.2	117.2	111.4	117.1	127.3	129.7	129.1	128.2	147.7	157.6	102.0	59.0	9.6	
ARS00226	39.6	48.5	72.5	68.1	67.4	68.9	89.8	99.7	96.6	111.8	115.6	122.8	115.0	121.3	120.9	136.0	137.0	135.7	145.1	155.9	103.4	59.0	9.5	
ARS00235	40.7	51.6	59.4	70.6	68.6	71.2	91.1	94.3	96.0	112.3	110.0	115.5	115.3	122.2	131.3	127.0	132.3	141.3	149.0	157.7	102.9	60.2	9.7	
ARS96158	38.6	45.3	72.0	66.2	67.7	67.5	84.5	86.5	90.0	108.8	111.2	121.8	110.0	120.0	123.0	119.2	137.4	132.9	145.9	140.0	99.4	57.0	9.4	
ARS98237	33.0	43.3	68.1	63.5	75.8	65.4	90.9	92.9	90.5	105.5	115.9	121.7	126.0	114.6	122.1	126.9	127.5	135.1	161.6	164.6	102.2	57.8	9.6	
BRUEHL	43.3	41.3	63.0	73.6	59.9	64.6	88.5	96.6	101.1	106.0	115.3	112.7	110.7	114.0	131.6	129.6	131.7	142.0	147.6	146.6	101.0	57.2	9.8	
CHUKAR	51.6	45.6	65.8	73.3	72.7	65.8	87.7	102.2	103.1	108.8	121.0	130.9	134.0	121.6	131.4	138.8	132.5	150.4	165.9	151.2	107.7	57.8	9.2	
CODA	47.2	49.3	69.5	72.7	72.3	75.8	89.0	94.9	104.3	102.3	101.3	118.0	127.9	118.9	125.0	138.5	126.8	146.7	141.7	153.0	103.7	60.6	9.7	
EDWIN	42.3	37.5	69.4	64.6	63.2	64.6	76.2	93.2	79.7	91.0	98.7	107.9	95.3	105.1	105.6	105.6	125.2	123.0	117.3	134.1	90.0	60.6	9.9	
HILLER	33.5	40.4	65.2	69.0	64.4	64.7	83.8	110.4	94.7	102.7	104.6	113.4	114.2	119.2	125.9	125.0	141.4	131.3	157.5	155.1	100.8	57.1	9.5	
MEL	31.5	45.5	66.1	56.5	67.1	81.0	81.3	91.1	78.4	100.7	98.4	93.1	106.2	115.2	107.6	118.0	114.1	119.8	131.6	148.8	92.6	61.2	10.4	
RELY	40.1	50.5	78.3	69.3	70.8	80.1	89.1	104.2	88.4	111.3	115.1	120.5	113.7	118.2	130.6	133.1	134.3	135.9	150.9	158.1	104.6	58.9	9.2	
Hard Red Common																								
CDC FALCON	41.9	41.7	60.6	67.9	67.3	77.7	83.2	94.1	91.7	98.6	94.1	104.9	91.3	109.9	106.3	115.6	125.6	131.4	116.6	150.8	93.6	61.4	9.6	
ESTICA	46.2	50.3	62.8	66.0	71.7	67.8	85.4	96.9	109.3	113.0	115.4	110.3	105.2	110.2	120.2	130.4	130.7	141.4	160.4	155.5	102.4	56.1	10.0	
RESIDENCE	34.0	52.3	56.4	67.1	74.1	78.3	89.5	98.8	102.5	103.5	112.0	115.0	119.1	116.0	127.4	128.9	138.8	133.6	150.9	163.7	103.1	59.1	9.8	
SEMPER	38.5	48.6	52.4	69.0	71.9	87.7	95.1	100.2	105.2	108.9	114.1	110.5	105.3	119.9	117.8	124.7	133.6	135.0	140.4	157.8	104.9	58.5	9.8	
MEAN																								
MEAN	40.1	47.9	64.9	68.7	69.2	72.3	85.4	96.4	99.4	105.8	108.1	110.5	111.7	114.8	119.9	125.4	132.0	136.3	145.7	155.3	100.5	59.0	9.9	
CV %	13.4	15.4	13.0	6.5																				

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TEST WEIGHT (LBS/BU)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN
Soft White Common																					
9120503A	59.8	60.7	59.2	60.1	58.7	54.5	60.4	57.7	60.8	60.0	59.6	61.1	60.2	58.9	57.0	61.7	61.1	61.2	61.4	61.5	59.8
9134302A	58.7	59.6	58.4	58.9	58.1	57.1	59.3	58.0	59.5	60.1	58.4	59.1	58.6	58.7	58.2	60.9	59.3	60.2	60.4	61.0	59.1
A9495W-G-1	61.7	60.8	59.9	61.9	59.9	59.7	61.9	58.9	61.5	61.2	60.2	60.9	60.2	60.5	58.1	62.8	60.1	61.8	61.4	61.1	60.7
ALBION	59.4	58.3	56.6	58.1	55.5	55.0	59.2	53.5	58.4	58.3	57.7	58.9	57.8	57.0	55.2	60.2	58.6	59.8	59.7	60.1	57.9
ARS96277	59.1	61.1	59.2	61.0	59.4	57.1	61.3	58.1	61.2	61.1	60.4	60.8	60.8	59.8	58.5	62.1	60.6	61.2	62.3	62.3	60.4
BASIN	60.1	60.7	58.9	60.1	59.6	58.3	61.1	56.0	60.0	59.6	59.4	59.5	59.1	56.5	53.0	61.4	60.2	60.5	60.8	58.4	59.2
BEAMER	60.4	59.1	58.2	59.0	58.2	55.6	59.4	58.4	60.7	59.5	58.5	60.4	59.5	59.0	56.3	61.0	60.2	60.9	61.4	62.0	59.4
BRUNDAGE 96	58.8	59.1	57.5	58.8	57.2	56.0	59.5	56.3	59.7	59.7	58.4	59.3	58.7	57.0	56.3	60.6	58.6	59.9	60.9	60.3	58.6
BZ-6W98-528	61.2	61.4	59.8	61.7	60.1	58.2	61.5	60.5	61.6	61.0	60.5	60.9	61.0	60.3	60.0	62.7	60.8	62.2	62.7	62.2	61.0
CASHUP	60.5	59.6	57.8	59.5	58.8	56.2	60.5	57.7	60.0	59.1	59.2	60.0	59.0	57.6	58.0	61.4	59.7	60.9	60.0	61.5	59.4
CLEARFIRST	59.6	60.4	58.5	59.8	59.1	56.5	60.8	58.4	60.9	60.5	59.4	59.9	59.7	59.0	56.8	61.3	60.0	61.0	61.0	61.2	59.7
ELTAN	60.3	58.8	58.0	58.9	58.2	55.4	59.9	58.1	60.1	59.0	58.5	59.6	58.8	58.7	55.9	61.1	59.5	60.2	60.0	59.0	58.9
FINCH	61.5	60.5	59.0	60.5	59.8	57.8	61.1	58.0	61.7	61.1	60.5	60.4	60.2	59.8	58.1	61.9	61.1	60.8	61.3	61.9	60.4
GT 123-64	59.4	60.6	58.8	60.1	59.1	57.2	60.7	57.7	60.8	59.6	59.9	60.5	59.8	58.2	56.6	61.0	60.4	60.9	61.7	61.4	59.7
HILL 81	60.1	60.2	58.8	59.9	58.6	57.8	60.3	57.7	60.8	59.8	58.9	60.5	58.9	58.9	57.7	61.9	59.9	61.0	60.5	61.2	59.7
HUBBARD	61.0	59.9	58.7	60.5	59.2	56.5	61.2	58.6	60.6	59.0	57.8	59.9	59.0	58.4	57.6	61.6	60.1	60.8	60.6	61.1	59.6
ID587-CLRFLD	59.1	60.0	58.2	59.8	58.7	55.1	60.2	57.1	59.2	58.8	58.4	58.6	59.7	58.2	56.6	60.6	59.2	60.8	61.0	60.8	59.0
LAMBERT	59.2	60.0	58.1	59.7	58.0	56.4	59.0	57.2	59.7	58.4	57.9	59.6	59.6	57.9	56.2	61.0	59.9	60.4	60.9	60.9	59.0
LEWJAIN	61.3	59.4	58.4	59.5	59.9	57.0	60.1	56.6	61.1	60.4	59.0	60.0	59.5	57.9	55.9	61.5	61.1	60.7	60.1	59.9	59.5
MADSEN	60.3	59.8	58.0	59.5	58.4	56.0	60.0	57.8	60.7	59.9	58.9	59.6	58.7	58.4	57.7	61.2	59.5	60.5	60.5	61.0	59.3
MJ-4	58.2	58.0	56.6	56.5	56.5	54.2	57.4	54.1	58.2	58.2	58.2	57.6	57.0	57.1	56.1	58.8	59.1	58.4	59.0	59.1	57.4
MJ-9	58.8	56.9	56.0	56.5	55.0	55.0	57.4	55.4	58.0	57.3	58.1	58.6	57.8	55.8	54.5	59.7	59.2	59.1	60.0	59.8	57.5
MOHLER	59.3	59.6	58.0	59.3	58.2	55.3	59.6	58.2	60.2	59.4	58.8	60.1	59.4	58.8	56.8	61.1	60.0	61.2	60.8	61.4	59.3
OR990553	58.3	59.6	58.5	59.5	58.3	55.9	59.2	57.6	59.0	59.3	59.0	59.3	59.3	57.8	58.4	60.3	59.6	60.0	60.8	60.9	59.1
ORCF-101	58.5	60.2	57.6	59.3	57.6	56.6	60.3	56.8	59.7	59.1	58.6	59.3	59.1	57.8	58.0	61.2	60.0	60.4	60.6	61.1	59.1
ROD	59.5	58.5	56.6	58.6	56.8	54.9	58.6	55.6	59.1	58.7	57.3	57.6	57.6	57.0	54.7	60.0	59.3	58.8	58.8	59.4	57.9
STEPHENS	59.1	60.1	58.1	59.7	58.2	55.3	59.5	56.8	59.2	58.5	58.0	59.8	59.9	57.8	58.1	60.5	59.3	60.3	61.1	60.7	59.0
TUBBS	59.5	59.5	57.3	58.8	57.0	54.6	59.3	55.6	59.3	58.6	58.3	59.2	59.2	57.3	57.2	60.5	59.5	59.9	60.5	60.1	58.6
WA7916	59.7	58.9	57.3	58.7	56.7	55.0	59.6	56.6	59.6	58.4	58.0	58.8	58.6	57.2	55.3	60.5	59.4	59.4	59.5	60.2	58.4
WA7918	59.6	57.5	56.4	57.0	57.2	53.6	58.7	54.5	58.9	58.1	57.3	58.2	57.9	55.8	53.2	60.3	60.3	59.4	58.5	58.7	57.6
WA7932	59.5	57.8	56.5	57.0	57.5	54.5	58.9	53.6	58.9	57.3	57.0	58.2	57.4	55.6	53.7	60.1	60.3	59.7	58.4	59.5	57.6
WA7933	60.5	60.8	59.0	60.7	59.2	58.2	61.2	59.0	60.8	59.8	59.0	60.6	60.4	59.7	58.8	61.9	60.5	61.2	61.0	61.5	60.2
WA7934	60.3	58.9	57.7	59.2	57.9	55.3	60.0	58.0	59.6	58.2	58.6	59.7	59.7	58.7	57.4	60.7	59.2	60.3	59.1	60.1	58.9
WA7935	60.1	59.9	58.4	60.1	58.6	58.7	60.6	58.5	60.1	60.0	59.1	60.0	59.4	59.1	56.4	61.4	59.6	60.7	60.7	61.0	59.6
Soft White Club																					
ARS00173	59.3	58.3	58.5	59.5	57.6	57.5	59.1	57.8	60.1	59.3	58.5	59.4	58.4	58.2	58.5	60.6	58.6	59.5	60.0	61.4	59.0
ARS00226	59.7	58.8	57.8	59.7	57.0	55.8	59.6	55.6	59.9	59.9	59.1	59.5	58.6	59.1	59.3	61.1	59.1	60.4	60.2	60.4	59.0
ARS00235	60.0	60.0	59.7	60.1	58.8	58.7	60.7	57.7	61.0	60.8	60.0	60.3	60.3	59.5	59.5	61.8	60.5	61.0	61.5	62.0	60.2
ARS96158	58.1	57.0	56.6	57.4	55.5	54.1	57.0	53.4	58.4	57.9	57.0	57.9	56.8	55.8	54.9	58.7	57.1	58.4	58.8	58.5	57.0
ARS98237	58.1	57.7	56.9	58.4	56.3	54.8	57.6	56.5	58.4	58.2	57.5	58.1	57.8	57.0	57.0	59.3	57.6	58.6	59.2	60.5	57.8
BRUEHL	59.4	56.7	57.6	57.3	55.6	54.0	57.8	54.9	58.0	57.6	56.7	58.1	56.2	56.6	56.5	58.8	58.2	58.0	57.8	58.4	57.2
CHUKAR	59.5	57.6	56.7	57.5	56.4	56.1	57.9	56.3	58.4	58.1	57.8	58.0	57.8	56.7	56.9	59.5	58.2	58.5	59.1	59.7	57.8
CODA	61.0	59.9	59.2	60.4	59.2	59.6	61.1	58.3	61.5	60.8	60.3	61.4	60.0	60.4	59.5	62.5	60.6	61.7	61.1	62.2	60.6
EDWIN	60.8	60.8	59.3	61.0	59.1	59.0	61.9	58.3	60.8	60.9	60.6	60.9	60.6	59.5	59.9	62.6	60.6	61.8	61.8	62.6	60.6
HILLER	58.0	57.2	56.4	57.9	54.5	54.6	57.8	56.1	57.5	57.9	56.6	57.1	56.8	56.3	56.8	58.4	56.9	57.9	58.5	59.3	57.1
MEL	60.6	60.7	60.9	61.2	60.4	59.9	62.0	60.2	61.6	61.9	61.5	62.3	61.0	61.0	58.0	62.7	61.0	61.5	62.2	62.5	61.2
RELY	59.8	58.5	57.4	59.1	56.8	58.3	59.2	57.0	59.1	59.5	58.6	59.1	58.3	58.1	58.6	60.3	58.7	59.5	60.1	61.1	58.9
Hard Red Common																					
CDC FALCON	61.4	61.8	60.3	61.9	61.0	59.7	62.6	60.4	62.6	61.1	59.7	62.1	61.5	60.3	59.3	63.0	61.7	62.5	62.5	62.9	61.4
ESTICA	55.7	56.1	54.5	55.0	54.9	54.0	56.6	54.2	57.6	56.7	56.3	55.6	55.8	54.6	52.7	59.3	56.4	58.0	58.6	58.7	56.1
RESIDENCE	57.8	58.8	56.7	58.2	57.7	56.6	59.1	57.8	60.8	59.1	58.5	60.1	59.2	58.4	57.6	61.9	59.5	60.6	61.3	61.6	59.1
SEMPER	57.8	58.3	56.2	58.3	56.8	56.8	58.8	56.6	60.0	59.3	58.1	59.2	58.6	57.6	56.5	61.1	58.2	60.2	60.9	61.0	58.5
MEAN	59.6	59.3	58.0	59.2	58.0	56.4	59.7	57.1	59.9	59.3	58.7	59.5	59.0	58.1	57.0	60.9	59.6	60.3	60.4	60.7	59.0
CV %	1.0	0.9	1.1	0.9	8.3	2.2	0.6	2.5	0.8	1.0	0.8	0.8	0.9	1.0	3.4	0.4	0.5	0.8	0.9	1.3	1.3
LSD @ .10	0.7	0.6	0.7	0.6	0.6	1.4	0.4	1.6	0.6	0.7	0.5	0.6	0.6	0.7	2.3	0.3	0.3	0.6	0.6	0.9	0.2

2003 WSU WINTER WHEAT VARIETY TRIAL SUMMARY

PROTEIN (%)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN
Soft White Common																					
9120503A	13.9	8.4	7.7	11.4	7.8	13.0	9.3	10.5	10.5	8.1	7.9	9.7	8.2	9.7	11.5	10.4	9.0	10.0	8.3	12.8	9.9
9134302A	14.4	7.9	8.7	11.5	7.9	11.3	9.3	10.8	11.3	8.2	7.2	10.0	7.9	9.7	11.7	10.6	9.6	10.4	8.6	12.5	10.0
A9495W-G-1	12.7	7.8	8.3	10.5	7.3	11.9	9.4	10.4	11.0	8.7	7.9	8.9	7.8	9.3	11.1	10.9	9.3	10.3	8.5	12.7	9.7
ALBION	13.2	8.7	8.6	10.9	9.1	12.8	9.0	11.5	11.1	8.5	7.8	9.0	7.8	9.9	11.2	10.2	9.2	10.2	8.5	12.4	10.0
ARS96277	13.1	8.8	8.5	10.7	7.5	11.4	9.2	11.2	10.3	8.0	7.6	8.9	7.8	9.5	11.9	10.8	9.0	10.1	9.0	12.1	9.8
BASIN	13.8	7.9	8.3	10.9	8.0	11.8	9.0	10.4	10.5	7.9	7.3	8.2	7.2	9.5	10.9	10.3	9.2	9.3	8.2	11.7	9.5
BEAMER	13.3	8.8	8.6	11.6	8.2	12.2	9.4	11.2	10.6	8.6	7.2	9.1	8.0	9.4	12.1	10.4	9.2	10.0	8.5	12.3	9.9
BRUNDAGE 96	13.2	8.7	8.2	11.4	7.8	12.0	9.5	10.6	10.7	8.0	8.0	9.1	8.2	9.8	11.9	10.6	9.2	10.1	8.3	11.9	9.9
BZ-6W98-528	13.8	8.3	8.8	10.4	7.6	11.0	9.4	10.8	11.1	8.5	8.1	9.7	7.5	9.2	12.1	11.0	9.7	10.3	8.9	12.9	10.0
CASHUP	13.0	7.9	8.3	10.4	7.3	11.3	9.0	10.2	10.1	8.6	7.8	8.8	7.7	9.3	11.1	11.0	9.3	10.1	8.4	12.6	9.6
CLEARFIRST	14.1	9.5	9.6	12.1	9.1	12.9	10.3	11.6	11.9	9.7	8.9	10.3	8.9	9.7	12.8	11.5	10.1	10.7	9.6	12.9	10.8
ELTAN	12.9	8.2	8.0	10.3	8.0	12.6	9.4	11.2	10.7	7.8	8.1	8.3	8.1	9.2	11.4	10.4	8.9	9.4	7.8	13.2	9.7
FINCH	12.6	7.9	7.3	10.1	7.1	11.9	8.6	11.2	10.7	7.9	7.6	8.0	7.8	9.2	11.7	10.1	9.0	9.8	8.4	12.4	9.5
GT 123-64	14.3	9.1	8.9	10.8	8.2	11.8	10.0	11.6	11.1	9.8	8.2	9.5	8.9	10.2	12.4	11.5	9.8	10.5	9.3	12.2	10.4
HILL 81	13.4	8.7	9.3	11.0	7.7	12.2	9.4	11.3	11.4	8.5	7.6	9.6	8.1	9.9	11.7	10.9	9.7	10.1	8.4	12.5	10.1
HUBBARD	13.9	8.2	8.8	10.5	7.6	13.0	9.8	10.9	11.2	8.1	7.5	8.8	7.8	9.4	11.0	10.2	9.3	9.8	8.4	12.5	9.8
ID587-CLRFLD	13.6	8.8	9.1	11.1	8.0	11.7	9.8	11.0	10.6	8.8	8.1	9.5	8.0	9.4	11.9	10.9	9.1	10.1	8.6	12.6	10.1
LAMBERT	13.6	8.7	8.1	10.7	7.9	11.7	9.1	10.4	10.5	8.1	7.6	9.6	8.6	9.6	11.9	10.6	9.3	10.0	8.8	12.5	9.9
LEWJAIN	13.3	8.0	8.3	11.0	8.1	13.4	9.3	11.2	11.3	7.9	7.6	9.0	9.0	9.6	11.2	10.8	9.3	9.9	8.1	12.9	10.0
MADSEN	13.0	8.7	8.5	11.2	8.4	12.9	9.6	10.5	11.6	8.4	7.7	9.6	7.3	9.8	12.0	10.9	9.7	10.2	8.7	12.9	10.1
MJ-4	13.5	8.4	8.6	11.2	8.4	12.6	10.2	11.9	11.1	8.5	7.2	9.0	8.4	9.8	11.5	10.5	9.3	10.5	8.3	12.3	10.1
MJ-9	13.5	8.0	8.3	10.6	7.6	11.6	8.7	10.7	11.1	8.4	7.5	8.9	7.4	9.3	12.0	10.0	9.0	9.6	8.0	12.3	9.6
MOHLER	13.3	7.8	8.3	10.9	7.5	11.4	9.0	11.0	10.6	8.2	7.5	9.1	7.4	9.2	11.9	10.5	9.0	10.0	8.6	12.4	9.7
OR990553	14.9	9.3	9.6	11.1	8.4	12.7	10.0	10.9	11.8	8.6	9.0	10.7	8.9	10.2	12.0	11.3	10.3	10.5	9.3	12.9	10.6
ORCF-101	13.9	8.6	9.5	11.4	8.0	12.6	9.8	11.1	12.0	8.5	8.3	10.3	8.5	10.0	12.0	11.4	10.1	10.9	9.6	13.4	10.5
ROD	13.2	8.4	7.7	10.0	7.5	11.4	8.8	10.6	10.6	7.8	7.5	8.3	7.2	9.6	11.4	10.0	8.9	9.5	7.8	12.7	9.5
STEPHENS	13.5	9.3	9.2	10.8	8.1	11.6	10.2	11.0	10.6	8.6	8.9	9.4	9.0	10.0	11.2	11.2	9.4	10.2	9.1	12.2	10.2
TUBBS	12.6	8.2	8.2	10.3	7.8	11.5	9.3	10.9	10.6	8.0	7.6	9.1	7.7	9.3	11.0	10.4	9.0	9.6	8.8	12.1	9.6
WA7916	13.1	8.4	8.5	10.3	7.6	12.6	9.1	11.2	10.5	8.4	8.0	8.6	8.2	9.7	11.5	10.2	9.1	9.5	7.9	12.1	9.7
WA7918	13.6	8.5	8.7	10.5	8.3	13.6	9.0	11.9	11.2	8.4	7.3	8.4	9.4	10.0	11.6	10.6	8.8	9.9	8.4	12.8	10.1
WA7932	13.6	8.7	8.1	11.3	7.8	12.8	9.3	12.2	10.5	8.4	7.5	8.7	8.8	10.0	11.6	10.6	8.8	9.9	8.5	13.4	10.0
WA7933	13.7	8.9	8.6	11.4	8.0	12.1	9.8	11.6	11.9	8.8	8.5	10.3	8.8	10.2	12.2	11.5	10.3	10.7	8.8	13.1	10.5
WA7934	12.8	8.1	7.6	10.0	8.1	12.6	9.2	11.4	11.0	8.7	7.9	8.7	8.9	9.6	10.8	10.6	9.1	9.5	7.8	12.4	9.8
WA7935	12.8	9.0	8.2	9.7	7.7	11.2	9.2	10.9	11.3	8.1	7.9	8.8	8.2	9.4	11.7	10.0	9.3	9.8	8.6	12.7	9.7
Soft White Club																					
ARS00173	12.9	7.6	8.1	10.9	7.2	12.3	8.7	10.7	10.6	7.9	6.9	9.0	7.5	9.3	11.4	10.6	9.5	10.0	8.7	12.4	9.6
ARS00226	13.7	7.6	8.1	10.4	7.7	12.1	8.5	10.8	10.3	7.8	6.7	8.7	6.5	9.3	10.9	9.8	8.8	9.6	8.0	14.0	9.5
ARS00235	13.7	7.9	8.5	10.8	7.7	12.4	9.1	10.9	10.7	8.3	7.1	8.5	7.5	9.0	11.7	10.3	9.2	9.1	8.3	13.1	9.7
ARS96158	13.1	7.9	7.5	10.0	7.2	12.3	8.5	10.8	10.0	7.7	7.0	9.2	7.1	9.1	10.8	10.2	9.1	9.2	7.6	12.9	9.4
ARS98237	13.9	7.8	7.8	10.3	7.1	12.1	9.0	10.4	10.3	7.9	7.2	8.4	7.7	9.3	11.4	10.6	9.3	9.7	7.9	12.9	9.6
BRUEHL	13.2	8.1	9.0	9.6	8.3	13.3	9.2	11.5	11.4	8.1	8.3	9.3	7.1	9.9	10.6	10.4	9.4	8.9	7.6	12.9	9.8
CHUKAR	13.3	7.5	7.6	9.5	7.0	11.5	8.0	10.7	10.1	7.3	7.3	7.9	7.1	8.9	11.0	10.0	9.0	8.5	7.9	13.0	9.2
CODA	12.9	8.3	7.5	10.7	7.8	12.4	8.6	11.0	10.7	7.8	7.7	9.2	7.4	9.4	11.4	10.3	9.7	9.8	8.0	13.1	9.7
EDWIN	13.5	8.3	8.7	9.9	7.8	12.7	9.7	11.5	10.8	8.5	7.5	8.7	7.1	9.4	11.4	11.1	9.3	9.7	9.0	13.8	9.9
HILLER	13.6	7.7	8.1	9.6	7.9	12.0	9.2	10.8	9.8	7.9	7.5	8.9	7.2	9.2	10.8	10.1	9.3	9.2	8.2	12.3	9.5
MEL	14.6	9.0	9.0	12.2	7.8	11.6	10.2	10.6	10.9	8.6	8.1	10.3	8.3	9.4	13.5	11.1	9.6	10.3	8.7	13.4	10.4
RELY	13.5	7.5	7.6	9.7	7.6	11.1	8.5	10.7	10.2	7.7	7.3	8.2	6.9	9.0	10.3	9.3	8.9	8.5	8.2	12.7	9.2
Hard Red Common																					
CDC FALCON	12.7	8.9	7.4	9.6	7.5	10.9	8.9	10.5	10.4	8.3	7.2	9.3	7.9	9.6	11.7	10.3	9.5	9.8	9.1	12.4	9.6
ESTICA	12.4	8.8	8.5	10.7	8.7	12.4	8.9	11.4	10.0	8.8	7.6	9.4	7.0	10.2	12.8	10.0	9.5	10.2	9.0	13.2	10.0
RESIDENCE	13.3	8.5	8.2	10.7	7.6	11.2	8.7	11.1	10.2	8.5	6.9	8.9	7.1	9.7	12.2	10.0	9.6	10.2	8.7	13.2	9.8
SEMPER	13.2	8.8	8.1	10.5	8.5	11.6	8.7	11.2	10.1	8.8	7.4	9.2	7.3	9.8	12.4	9.8	9.6	10.2	8.6	13.0	9.8
MEAN	13.4	8.4	8.4	10.7	7.9	12.1	9.3	11.0	10.8	8.3	7.7	9.1	7.9	9.6	11.6	10.6	9.3	9.9	8.5	12.7	9.9
CV %	3.5	6.4	8.7	6.2	5.5	8.5	6.4	5.8	3.9	6.5	10.3	5.6	11.5	4.8	10.3	3.1	2.5	5.5	6.4	4.9	6.6
LSD @ .10	0.6	0.6	0.9	0.8	0.5	1.2	0.7	0.7	0.5	0.6	0.9	0.6	1.1	0.5	1.4	0.4	0.3	0.6	0.6	0.7	0.2

2003 WSU WINTER WHEAT VARIETY TRIAL SUMMARY

YIELD (BU/A)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN YIELD BU/A	VARIETY MEAN TEST WT LB/BU	VARIETY MEAN PROTEIN %
Soft White Common																							
TUBBS	43.5	58.4	73.6	76.8	74.1	78.1	92.9	97.0	112.0	116.1	117.9	119.3	120.3	124.2	140.2	131.8	150.0	146.4	156.7	169.3	110.0	58.6	9.6
ROD	43.0	50.7	74.9	80.8	74.6	78.6	89.5	100.6	117.2	119.3	110.4	119.4	112.9	117.2	125.6	128.6	137.7	149.7	160.3	167.9	108.0	57.9	9.5
FINCH	50.3	47.8	66.4	73.6	76.2	72.6	86.9	98.3	108.7	117.7	103.4	118.7	110.6	119.2	132.0	132.5	141.2	138.5	150.7	166.1	105.6	60.4	9.5
ARS96277	35.3	49.5	62.8	71.9	79.9	79.7	89.2	101.9	109.6	109.4	113.9	112.5	117.6	125.0	122.9	126.7	137.2	141.7	151.3	167.0	105.2	60.4	9.8
MJ-9	39.8	45.2	64.6	68.5	71.1	79.0	90.1	100.1	109.7	107.4	112.6	113.6	120.7	114.9	125.2	132.2	135.3	155.1	151.6	166.3	105.2	57.5	9.6
MOHLER	42.6	61.1	65.8	71.1	75.9	75.0	88.4	111.6	106.9	110.6	119.0	110.0	117.3	122.1	109.6	131.6	138.3	139.6	137.6	160.3	104.7	59.3	9.7
9120503A	35.2	52.8	77.5	62.2	74.3	65.5	84.2	95.7	101.5	108.2	122.5	103.6	114.0	114.3	125.5	135.9	143.0	138.6	156.5	173.2	104.2	59.8	9.9
LAMBERT	31.6	55.6	64.2	69.5	73.3	79.2	85.3	94.4	97.2	114.5	113.8	110.4	127.8	122.3	121.8	129.7	134.3	131.3	157.0	170.9	104.2	59.0	9.9
ID587-CLRFLD	37.2	50.2	60.8	68.0	68.2	85.0	84.5	109.0	102.1	107.8	114.0	106.5	101.7	127.8	129.9	134.1	134.8	142.8	143.5	166.8	103.7	59.0	10.1
STEPHENS	34.9	51.8	61.8	69.7	75.4	83.2	84.1	100.3	104.2	102.1	112.3	107.3	101.2	118.4	132.2	121.7	132.8	142.5	156.1	173.9	103.3	59.0	10.2
WA7916	42.1	49.5	61.7	71.9	69.3	73.5	89.3	96.0	107.9	109.0	119.2	114.2	117.6	112.7	108.3	129.0	131.4	147.7	151.1	152.2	102.7	58.4	9.7
9134302A	33.7	53.1	67.1	63.3	77.2	74.1	85.1	105.4	99.7	108.2	102.7	99.3	110.4	122.8	135.8	130.1	135.5	132.1	148.0	168.2	102.6	59.1	10.0
ALBION	43.8	48.1	68.8	69.8	66.6	72.8	88.7	83.0	108.4	107.6	103.7	111.3	129.3	110.5	121.4	132.1	132.4	151.6	147.6	149.4	102.3	57.9	10.0
BZ-6W98-528	38.1	57.0	62.7	71.9	70.6	74.4	86.4	105.9	101.5	109.4	107.9	96.2	90.5	126.0	131.8	129.5	128.9	140.8	137.8	174.7	102.1	61.0	10.0
BEAMER	37.0	42.5	62.6	62.0	66.8	71.3	83.2	102.5	106.0	104.6	110.9	100.4	115.1	119.4	107.8	136.7	134.9	152.7	149.5	171.3	101.9	59.4	9.9
MJ-4	50.2	48.7	65.3	71.1	69.6	63.7	86.4	86.3	106.5	89.4	109.0	111.1	127.9	107.2	118.6	131.6	136.6	130.9	150.7	162.5	101.2	57.4	10.1
BRUNDAGE 96	35.2	46.9	67.5	68.9	70.4	75.7	88.3	99.9	94.0	110.9	111.2	105.4	118.1	106.1	117.6	127.2	134.2	134.8	147.7	161.1	101.1	58.6	9.9
MADSEN	46.8	65.3	70.3	68.0	66.3	63.9	82.2	100.0	98.0	106.0	107.2	106.5	103.6	117.3	128.0	125.1	128.3	139.9	138.3	159.0	101.0	59.3	10.1
WA7918	48.6	41.8	65.9	69.1	73.0	65.8	83.5	94.9	107.3	113.5	106.0	127.0	113.6	106.9	109.2	120.9	139.2	134.5	149.1	144.6	100.7	57.6	10.1
WA7933	49.6	54.5	63.8	71.6	68.1	77.0	83.6	98.6	96.2	97.2	108.7	106.0	117.7	113.7	124.3	120.8	123.9	139.4	139.4	150.3	100.2	60.2	10.5
HILL 81	41.9	39.8	60.8	69.0	68.8	73.7	84.1	94.4	105.9	102.2	95.6	110.3	113.1	114.0	123.9	123.3	137.6	153.1	160.0	100.1	52.7	10.1	
HUBBARD	40.6	44.2	58.4	75.2	66.9	70.6	88.5	92.7	99.8	102.0	95.6	108.2	111.8	108.0	117.6	134.3	132.6	146.2	156.1	151.1	100.0	59.6	9.8
WA7934	41.4	39.8	69.2	72.4	60.5	65.9	86.4	101.1	94.0	95.7	113.8	116.6	110.1	112.3	116.8	123.3	134.2	131.2	141.6	145.8	98.6	58.9	9.8
WA7935	41.1	47.9	71.9	72.9	59.9	74.5	87.1	95.7	96.4	106.6	104.3	115.0	101.4	114.7	114.4	121.7	131.4	137.3	136.7	141.6	98.6	59.6	9.7
ELTAN	43.4	42.2	62.8	69.4	65.1	62.6	86.8	96.9	99.1	104.8	114.9	115.7	104.3	116.4	103.3	123.5	135.3	135.3	141.9	139.1	98.1	58.9	9.7
ORCF-101	37.2	52.3	62.0	69.1	73.2	70.9	83.5	93.7	90.8	103.3	108.3	100.0	104.5	116.6	124.9	117.0	129.9	131.1	142.2	150.9	98.1	59.1	10.5
WA7932	47.7	45.8	64.3	70.3	67.5	70.5	83.9	87.9	103.3	112.2	102.5	124.3	100.3	108.9	109.8	116.0	148.0	121.5	138.0	137.8	98.0	57.6	10.0
QR990553	31.9	50.6	56.9	68.1	71.1	74.5	79.2	97.9	100.8	102.8	106.7	95.7	100.9	111.4	128.8	119.1	123.2	134.5	136.5	166.1	97.8	59.1	10.6
CASHUP	36.2	36.1	53.6	69.1	65.9	71.7	78.0	99.4	102.9	104.9	104.1	114.8	108.2	111.8	124.5	112.4	126.1	124.5	146.9	160.7	97.6	59.4	9.6
LEWJAIN	39.0	41.0	67.9	64.3	63.6	65.8	79.3	82.7	92.4	104.0	103.6	106.0	116.7	103.4	105.2	118.9	125.5	129.3	138.9	134.7	94.1	59.5	10.0
GT 123-64	34.6	46.3	64.9	62.3	64.3	77.2	79.4	84.0	97.6	97.4	100.0	101.5	113.5	104.9	111.6	111.1	112.6	121.2	138.3	151.2	93.7	59.7	10.4
A9495W-G-1	42.2	46.4	68.3	68.3	73.1	66.9	80.8	94.3	80.3	91.2	98.5	98.2	98.7	109.1	98.5	108.7	120.8	123.9	126.0	130.6	91.2	60.7	9.7
CLEARFIRST	32.5	44.6	53.5	55.0	57.7	58.7	69.7	88.9	83.1	98.0	84.7	84.2	95.1	113.1	102.7	111.2	123.1	118.1	119.9	145.4	87.0	59.7	10.8
BASIN	31.6	42.5	56.4	63.2	58.9	69.5	77.6	75.5	93.6	95.7	97.0	103.6	101.3	86.6	82.1	105.5	119.9	122.1	137.7	109.1	86.5	59.2	9.5
Soft White Club																							
CHUKAR	51.6	45.6	65.8	73.3	72.7	65.8	87.7	102.2	103.1	108.8	121.0	130.9	134.0	121.6	131.4	138.8	132.5	150.4	165.9	151.2	107.7	57.8	9.2
RELY	40.1	50.5	78.3	69.3	70.8	80.1	89.1	104.2	88.4	111.3	115.1	120.5	113.7	118.2	130.6	133.1	134.3	135.9	150.9	158.1	104.6	58.9	9.2
CODA	47.2	49.3	69.5	72.7	72.3	75.8	89.0	94.9	104.3	102.3	101.3	118.0	127.9	118.9	125.0	138.5	126.8	146.7	141.7	153.0	103.7	60.6	9.7
ARS00226	39.6	48.5	72.5	68.1	67.4	68.9	89.8	99.7	96.6	111.8	115.6	122.8	115.0	121.3	120.9	136.0	137.0	135.7	145.1	155.9	103.4	59.0	9.5
ARS00235	40.7	51.6	59.4	70.6	68.6	71.2	91.1	94.3	96.0	112.3	110.0	115.5	115.3	122.2	131.3	127.0	132.3	141.3	149.0	157.7	102.9	60.2	9.7
ARS98237	33.0	43.3	68.1	63.5	75.8	65.4	90.9	92.9	90.5	105.5	115.9	121.7	126.0	114.6	122.1	126.9	127.5	135.1	161.6	164.6	102.2	57.8	9.6
ARS00173	40.6	52.7	62.7	67.0	71.7	70.7	88.0	97.1	101.5	115.1	108.2	117.2	111.4	117.1	127.3	129.7	129.1	128.2	147.7	157.6	102.0	59.0	9.6
BRUEHL	43.3	41.3	63.0	73.6	59.9	64.6	88.5	96.6	101.1	106.0	115.3	112.7	110.7	114.0	131.6	129.6	131.7	142.0	147.6	146.6	101.0	57.2	9.8
HILLER	33.5	40.4	65.2	69.0	64.4	64.7	83.8	110.4	94.7	102.7	104.6	113.4	114.2	119.2	125.9	125.0	141.4	131.3	157.5	155.1	100.8	57.1	9.5
ARS96158	38.6	45.3	72.0	66.2	67.7	67.5	84.5	86.5	90.0	108.8	111.2	121.8	110.0	120.0	123.0	119.2	137.4	132.9	145.9	140.0	99.4	57.0	9.4
MEL	31.5	45.5	66.1	56.5	67.1	81.0	81.3	91.1	78.4	100.7	98.4	93.1	106.2	115.2	107.6	118.0	114.1	119.8	131.6	148.8	92.6	61.2	10.4
EDWIN	42.3	37.5	69.4	64.6	63.2	64.6	76.2	93.2	79.7	91.0	98.7	107.9	95.3	105.1	105.6	105.6	125.2	123.0	117.3	134.1	90.0	60.6	9.9
Hard Red Common																							
SEMPER	38.5	48.6	52.4	69.0	71.9	87.7	95.1	100.2	105.2	108.9	114.1	105.3	119.9	117.8	124.7	133.6	135.0	140.4	157.8	172.5	104.9	58.5	9.8
RESIDENCE	34.0	52.3	56.4	67.1	74.1	78.3	89.5	98.8	102.5	103.5	112.0	115.0	119.1	116.0	127.4	128.9	138.8	133.6	150.9	163.7	103.1	59.1	9.8
ESTICA	46.2	50.3	62.8	66.0	71.7	67.8	85.4	96.9	109.3	113.0	115.4	110.3	105.2	110.2	120.2	130.4	130.7	141.4	160.4	155.5	102.4	56.1	10.0
CDC FALCON	41.9	41.7	60.6	67.9	67.3	77.7	83.2	94.1	91.7	98.6	94.1	104.9	91.3	109.9	106.3	115.6	125.6	131.4	116.6	150.8	93.6	61.4	9.6
MEAN	40.1	47.9	64.9	68.7	69.2	72.3	85.4	96.4	99.4	105.8	108.1	110.5	111.7	114.8	119.9	125.4	132.0	136.3	145.7	155.3	100.5	59.0	9.9
CV %	13.4	15.4	13.0	6.5																			

2003 WSU WINTER WHEAT VARIETY TRIAL SUMMARY

TEST WEIGHT (LBS/BU)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN
Soft White Common																					
TUBBS	59.5	59.5	57.3	58.8	57.0	54.6	59.3	55.6	59.3	58.6	58.3	59.2	59.2	57.3	57.2	60.5	59.5	59.9	60.5	60.1	58.6
ROD	59.5	58.5	56.6	58.6	56.8	54.9	58.6	55.6	59.1	58.7	57.3	57.6	57.6	57.0	54.7	60.0	59.3	58.8	58.8	59.4	57.9
FINCH	61.5	60.5	59.0	60.5	59.8	57.8	61.1	58.0	61.7	61.1	60.5	60.4	60.2	59.8	58.1	61.9	61.1	60.8	61.3	61.9	60.4
ARS96277	59.1	61.1	59.2	61.0	59.4	57.1	61.3	58.1	61.2	61.1	60.4	60.8	60.8	59.8	58.5	62.1	60.6	61.2	62.3	62.3	60.4
MJ-9	58.8	56.9	56.0	56.5	55.0	55.0	57.4	55.4	58.0	57.3	58.1	58.6	57.8	55.8	54.5	59.7	59.2	59.1	60.0	59.8	57.5
MOHLER	59.3	59.6	58.0	59.3	58.2	55.3	59.6	58.2	60.2	59.4	58.8	60.1	59.4	58.8	56.8	61.1	60.0	61.2	60.8	61.4	59.3
9120503A	59.8	60.7	59.2	60.1	58.7	54.5	60.4	57.7	60.8	60.0	59.6	61.1	60.2	58.9	57.0	61.7	61.1	61.2	61.4	61.5	59.8
LAMBERT	59.2	60.0	58.1	59.7	58.0	56.4	59.0	57.2	59.7	58.4	57.9	59.6	59.6	57.9	56.2	61.0	59.9	60.4	60.9	60.9	59.0
ID587-CLRFLD	59.1	60.0	58.2	59.8	58.7	55.1	60.2	57.1	59.2	58.8	58.4	58.6	59.7	58.2	56.6	60.6	59.2	60.8	61.0	60.8	59.0
STEPHENS	59.1	60.1	58.1	59.7	58.2	55.3	59.7	56.8	59.2	58.5	58.0	59.8	59.9	57.8	58.1	60.5	59.3	60.3	61.1	60.7	59.0
WA7916	59.7	58.9	57.3	58.7	56.7	55.0	59.6	56.6	59.6	58.4	58.0	58.8	58.6	57.2	55.3	60.5	59.4	59.4	59.5	60.2	58.4
9134302A	58.7	59.6	58.4	58.9	58.1	57.1	59.3	58.0	59.5	60.1	58.4	59.1	58.6	58.7	58.2	60.9	59.3	60.2	60.4	61.0	59.1
ALBION	59.4	58.3	56.6	58.1	55.5	55.0	59.2	53.5	58.4	58.3	57.7	58.9	57.8	57.0	55.2	60.2	58.6	59.8	59.7	60.1	57.9
BZ-6W98-528	61.2	61.4	59.8	61.7	60.1	58.2	61.5	60.5	61.6	61.0	60.5	60.9	61.0	60.3	60.0	62.7	60.8	62.2	62.7	62.2	61.0
BEAMER	60.4	59.1	58.2	59.0	58.2	55.6	59.4	58.4	60.7	59.5	58.5	60.4	59.5	59.0	56.3	61.0	60.2	60.9	61.4	62.0	59.4
MJ-4	58.2	58.0	56.6	56.5	56.5	54.2	57.4	54.1	58.2	58.2	58.2	57.6	57.0	57.1	56.1	58.8	59.1	58.4	59.0	59.1	57.4
BRUNDAGE 96	58.8	59.1	57.5	58.8	57.2	56.0	59.5	56.3	59.7	59.7	58.4	59.3	58.7	57.0	56.3	60.6	58.6	59.9	60.9	60.3	58.6
MADSEN	60.3	59.8	58.0	59.5	58.4	56.0	60.0	57.8	60.7	59.9	58.9	59.6	58.7	58.4	57.7	61.2	59.5	60.5	60.5	61.0	59.3
WA7918	59.6	57.5	56.4	57.0	57.2	53.6	58.7	54.5	58.9	58.1	57.3	58.2	57.9	55.8	53.2	60.3	60.3	59.4	58.5	58.7	57.6
WA7933	60.5	60.8	59.0	60.7	59.2	58.2	61.2	59.0	60.8	59.8	59.0	60.6	60.4	59.7	58.8	61.9	60.5	61.2	61.0	61.5	60.2
HILL 81	60.1	60.2	58.8	59.9	58.6	57.8	60.3	57.7	60.8	59.8	58.9	60.5	58.9	58.9	57.7	61.9	59.9	61.0	60.5	61.2	59.7
HUBBARD	61.0	59.9	58.7	60.5	59.2	56.5	61.2	58.6	60.6	59.0	57.8	59.9	59.0	58.4	57.6	61.6	60.1	60.8	60.6	61.1	59.6
WA7934	60.3	58.9	57.7	59.2	57.9	55.3	60.0	58.0	59.6	58.2	58.6	59.7	59.7	58.7	57.4	60.7	59.2	60.3	59.1	60.1	58.9
WA7935	60.1	59.9	58.4	60.1	58.6	58.7	60.6	58.5	60.1	60.0	59.1	60.0	59.4	59.1	56.4	61.4	59.6	60.7	60.7	61.0	59.6
ELTAN	60.3	58.8	58.0	58.9	58.2	55.4	59.9	58.1	60.1	59.0	58.5	59.6	58.8	58.7	55.9	61.1	59.5	60.2	60.0	59.0	58.9
ORCF-101	58.5	60.2	57.6	59.3	57.6	56.6	60.3	56.8	59.7	59.1	58.6	59.3	59.1	57.8	58.0	61.2	60.0	60.4	60.6	61.1	59.1
WA7932	59.5	57.8	56.5	57.0	57.5	54.5	58.9	53.6	58.9	57.3	57.0	58.2	57.4	55.6	53.7	60.1	60.3	59.7	58.4	59.5	57.6
OR990553	58.3	59.6	58.5	59.5	58.3	55.9	59.2	57.6	59.0	59.3	59.0	59.3	59.3	57.8	58.4	60.3	59.6	60.0	60.8	60.9	59.1
CASHUP	60.5	59.6	57.8	59.5	58.8	56.2	60.5	57.7	60.0	59.1	59.2	60.0	59.0	57.6	58.0	61.4	59.7	60.9	60.0	61.5	59.4
LEWJAIN	61.3	59.4	58.4	59.5	59.9	57.0	60.1	56.6	61.1	60.4	59.0	60.0	59.5	57.9	55.9	61.5	61.1	60.7	60.1	59.9	59.5
GT 123-64	59.4	60.6	58.8	60.1	59.1	57.2	60.7	57.7	60.8	59.6	59.9	60.5	59.8	58.2	56.6	61.0	60.4	60.9	61.7	61.4	59.7
A9495W-G-1	61.7	60.8	59.9	61.9	59.9	59.7	61.9	58.9	61.5	61.2	60.2	60.9	60.2	60.5	58.1	62.8	60.1	61.8	61.4	61.1	60.7
CLEARFIRST	59.6	60.4	58.5	59.8	59.1	56.5	60.8	58.4	60.9	60.5	59.4	59.9	59.7	59.0	56.8	61.3	60.0	61.0	61.0	61.2	59.7
BASIN	60.1	60.7	58.9	60.1	59.6	58.3	61.1	56.0	60.0	59.6	59.4	59.5	59.1	56.5	53.0	61.4	60.2	60.5	60.8	58.4	59.2
Soft White Club																					
CHUKAR	59.5	57.6	56.7	57.5	56.4	56.1	57.9	56.3	58.4	58.1	57.8	58.0	57.8	56.7	56.9	59.5	58.2	58.5	59.1	59.7	57.8
RELY	59.8	58.5	57.4	59.1	56.8	58.3	59.2	57.0	59.1	59.5	58.6	59.1	58.3	58.1	58.6	60.3	58.7	59.5	60.1	61.1	58.9
CODA	61.0	59.9	59.2	60.4	59.2	59.6	61.1	58.3	61.5	60.8	60.3	61.4	60.0	60.4	59.5	62.5	60.6	61.7	61.1	62.2	60.6
ARS00226	59.7	58.8	57.8	59.7	57.0	55.8	59.6	55.6	59.9	59.9	59.1	59.5	58.6	59.1	59.3	61.1	59.1	60.4	60.2	60.4	59.0
ARS00235	60.0	60.0	59.7	60.1	58.8	58.7	60.7	57.7	61.0	60.8	60.0	60.3	60.3	59.5	59.5	61.8	60.5	61.0	61.5	62.0	60.2
ARS98237	58.1	57.7	56.9	58.4	56.3	54.8	57.6	56.5	58.4	58.2	57.5	58.1	57.8	57.0	57.0	59.3	57.6	58.6	59.2	60.5	57.8
ARS00173	59.3	58.3	58.5	59.5	57.6	57.5	59.1	57.8	60.1	59.3	58.5	59.4	58.4	58.2	58.5	60.6	58.6	59.5	60.0	61.4	59.0
BRUEHL	59.4	56.7	57.6	57.3	55.6	54.0	57.8	54.9	58.0	57.6	56.7	58.1	56.2	56.6	56.5	58.8	58.2	58.0	57.8	58.4	57.2
HILLER	58.0	57.2	56.4	57.9	54.5	54.6	57.8	56.1	57.5	57.9	56.6	57.1	56.8	56.3	56.8	58.4	56.9	57.9	58.5	59.3	57.1
ARS96158	58.1	57.0	56.6	57.4	55.5	54.1	57.0	53.4	58.4	57.9	57.0	57.9	56.8	55.8	54.9	58.7	57.1	58.4	58.8	58.5	57.0
MEL	60.6	60.7	60.9	61.2	60.4	59.9	62.0	60.2	61.6	61.9	61.5	62.3	61.0	61.0	58.0	62.7	61.0	61.5	62.2	62.5	61.2
EDWIN	60.8	60.8	59.3	61.0	59.1	59.0	61.9	58.3	60.8	60.9	60.6	60.9	60.6	59.5	59.9	62.6	60.6	61.8	61.8	62.6	60.6
Hard Red Common																					
SEMPER	57.8	58.3	56.2	58.3	56.8	56.8	58.8	56.6	60.0	59.3	58.1	59.2	58.6	57.6	56.5	61.1	58.2	60.2	60.9	61.0	58.5
RESIDENCE	57.8	58.8	56.7	58.2	57.7	56.6	59.1	57.8	60.8	59.1	58.5	60.1	59.2	58.4	57.6	61.9	59.5	60.6	61.3	61.6	59.1
ESTICA	55.7	56.1	54.5	55.0	54.9	54.0	56.6	54.2	57.6	56.7	56.3	55.6	55.8	54.6	52.7	59.3	56.4	58.0	58.6	58.7	56.1
CDC FALCON	61.4	61.8	60.3	61.9	61.0	59.7	62.6	60.4	62.6	61.1	59.7	62.1	61.5	60.3	59.3	63.0	61.7	62.5	62.5	62.9	61.4
MEAN	59.6	59.3	58.0	59.2	58.0	56.4	59.7	57.1	59.9	59.3	58.7	59.5	59.0	58.1	57.0	60.9	59.6	60.3	60.4	60.7	59.0
CV %	1.0	0.9	1.1	0.9	8.3	2.2	0.6	2.5	0.8	1.0	0.8	0.8	0.9	1.0	3.4	0.4	0.5	0.8	0.9	1.3	1.3
LSD @ .10	0.7	0.6	0.7	0.6	0.6	1.4	0.4	1.6	0.6	0.7	0.5	0.6	0.6	0.7	2.3	0.3	0.3	0.6	0.6	0.9	0.2

2003 WSU WINTER WHEAT VARIETY TRIAL SUMMARY

PROTEIN (%)

VARIETY NAME	LIND DRY	HARRINGTON	ST. ANDREWS	RITZVILLE	BICKLETON	ANATONE	DUSTY	COLTON	MAYVIEW	ALMIRA	CRESTON	REARDAN	LAMONT	FAIRFIELD	FARMINGTON	WALLA WALLA	PULLMAN	DAYTON	ST. JOHN	MOSES LAKE	VARIETY MEAN
Soft White Common																					
TUBBS	12.6	8.2	8.2	10.3	7.8	11.5	9.3	10.9	10.6	8.0	7.6	9.1	7.7	9.3	11.0	10.4	9.0	9.6	8.8	12.1	9.6
ROD	13.2	8.4	7.7	10.0	7.5	11.4	8.8	10.6	10.6	7.8	7.5	8.3	7.2	9.6	11.4	10.0	8.9	9.5	7.8	12.7	9.5
FINCH	12.6	7.9	7.3	10.1	7.1	11.9	8.6	11.2	10.7	7.9	7.6	8.0	7.8	9.2	11.7	10.1	9.0	9.8	8.4	12.4	9.5
ARS96277	13.1	8.8	8.5	10.7	7.5	11.4	9.2	11.2	10.3	8.0	7.6	8.9	7.8	9.5	11.9	10.8	9.0	10.1	9.0	12.1	9.8
MJ-9	13.5	8.0	8.3	10.6	7.6	11.6	8.7	10.7	11.1	8.4	7.5	8.9	7.4	9.3	12.0	10.0	9.0	9.6	8.0	12.3	9.6
MOHLER	13.3	7.8	8.3	10.9	7.5	11.4	9.0	11.0	10.6	8.2	7.5	9.1	7.4	9.2	11.9	10.5	9.0	10.0	8.6	12.4	9.7
9120503A	13.9	8.4	7.7	11.4	7.8	13.0	9.3	10.5	10.5	8.1	7.9	9.7	8.2	9.7	11.5	10.4	9.0	10.0	8.3	12.8	9.9
LAMBERT	13.6	8.7	8.1	10.7	7.9	11.7	9.1	10.4	10.5	8.1	7.6	9.6	8.6	9.6	11.9	10.6	9.3	10.0	8.8	12.5	9.9
ID587-CLRFLD	13.6	8.8	9.1	11.1	8.0	11.7	9.8	11.0	10.6	8.8	8.1	9.5	8.0	9.4	11.9	10.9	9.1	10.1	8.6	12.6	10.1
STEPHENS	13.5	9.3	9.2	10.8	8.1	11.6	10.2	11.0	10.6	8.6	8.9	9.4	9.0	10.0	11.2	11.2	9.4	10.2	9.1	12.2	10.2
WA7916	13.1	8.4	8.5	10.3	7.6	12.6	9.1	11.2	10.5	8.4	8.0	8.6	8.2	9.7	11.5	10.2	9.1	9.5	7.9	12.1	9.7
9134302A	14.4	7.9	8.7	11.5	7.9	11.3	9.3	10.8	11.3	8.2	7.2	10.0	7.9	9.7	11.7	10.6	9.6	10.4	8.6	12.5	10.0
ALBION	13.2	8.7	8.6	10.9	9.1	12.8	9.0	11.5	11.1	8.5	7.8	9.0	7.8	9.9	11.2	10.2	9.2	10.2	8.5	12.4	10.0
BZ-6W98-528	13.8	8.3	8.8	10.4	7.6	11.0	9.4	10.8	11.1	8.5	8.1	9.7	7.5	9.2	12.1	11.0	9.7	10.3	8.9	12.9	10.0
BEAMER	13.3	8.8	8.6	11.6	8.2	12.2	9.4	11.2	10.6	8.6	7.2	9.1	8.0	9.4	12.1	10.4	9.2	10.0	8.5	12.3	9.9
MJ-4	13.5	8.4	8.6	11.2	8.4	12.6	10.2	11.9	11.1	8.5	7.2	9.0	8.4	9.8	11.5	10.5	9.3	10.5	8.3	12.3	10.1
BRUNDAGE 96	13.2	8.7	8.2	11.4	7.8	12.0	9.5	10.6	10.7	8.0	8.0	9.1	8.2	9.8	11.9	10.6	9.2	10.1	8.3	11.9	9.9
MADSEN	13.0	8.7	8.5	11.2	8.4	12.9	9.6	10.5	11.6	8.4	7.7	9.6	7.3	9.8	12.0	10.9	9.7	10.2	8.7	12.9	10.1
WA7918	13.6	8.5	8.7	10.5	8.3	13.6	9.0	11.9	11.2	8.4	7.3	8.4	9.4	10.0	11.6	10.6	8.8	9.9	8.4	12.8	10.1
WA7933	13.7	8.9	8.6	11.4	8.0	12.1	9.8	11.6	11.9	8.8	8.5	10.3	8.8	10.2	12.2	11.5	10.3	10.7	8.8	13.1	10.5
HILL 81	13.4	8.7	9.3	11.0	7.7	12.2	9.4	11.3	11.4	8.5	7.6	9.6	8.1	9.9	11.7	10.9	9.7	10.1	8.4	12.5	10.1
HUBBARD	13.9	8.2	8.8	10.5	7.6	13.0	9.8	10.9	11.2	8.1	7.5	8.8	7.8	9.4	11.0	10.2	9.3	9.8	8.4	12.5	9.8
WA7934	12.8	8.1	7.6	10.0	8.1	12.6	9.2	11.4	11.0	8.7	7.9	8.7	8.9	9.6	10.8	10.6	9.1	9.5	7.8	12.4	9.8
WA7935	12.8	9.0	8.2	9.7	7.7	11.2	9.2	10.9	11.3	8.1	7.9	8.8	8.2	9.4	11.7	10.0	9.3	9.8	8.6	12.7	9.7
ELTAN	12.9	8.2	8.0	10.3	8.0	12.6	9.4	11.2	10.7	7.8	8.1	8.3	8.1	9.2	11.4	10.4	8.9	9.4	7.8	13.2	9.7
ORCF-101	13.9	8.6	9.5	11.4	8.0	12.6	9.8	11.1	12.0	8.5	8.3	10.3	8.5	10.0	12.0	11.4	10.1	10.9	9.6	13.4	10.5
WA7932	13.6	8.7	8.1	11.3	7.8	12.8	9.3	12.2	10.5	8.4	7.5	8.7	8.8	10.0	11.6	10.6	8.8	9.9	8.5	13.4	10.0
OR990553	14.9	9.3	9.6	11.1	8.4	12.7	10.0	10.9	11.8	8.6	9.0	10.7	8.9	10.2	12.0	11.3	10.3	10.5	9.3	12.9	10.6
CASHUP	13.0	7.9	8.3	10.4	7.3	11.3	9.0	10.2	10.1	8.6	7.8	8.8	7.7	9.3	11.1	11.0	9.3	10.1	8.4	12.6	9.6
LEWJAIN	13.3	8.0	8.3	11.0	8.1	13.4	9.3	11.2	11.3	7.9	7.6	9.0	9.0	9.6	11.2	10.8	9.3	9.9	8.1	12.9	10.0
GT 123-64	14.3	9.1	8.9	10.8	8.2	11.8	10.0	11.6	11.1	9.8	8.2	9.5	8.9	10.2	12.4	11.5	9.8	10.5	9.3	12.2	10.4
A9495W-G-1	12.7	7.8	8.3	10.5	7.3	11.9	9.4	10.4	11.0	8.7	7.9	8.9	7.8	9.3	11.1	10.9	9.3	10.3	8.5	12.7	9.7
CLEARFIRST	14.1	9.5	9.6	12.1	9.1	12.9	10.3	11.6	11.9	9.7	8.9	10.3	8.9	9.7	12.8	11.5	10.1	10.7	9.6	12.9	10.8
BASIN	13.8	7.9	8.3	10.9	8.0	11.8	9.0	10.4	10.5	7.9	7.3	8.2	7.2	9.5	10.9	10.3	9.2	9.3	8.2	11.7	9.5
Soft White Club																					
CHUKAR	13.3	7.5	7.6	9.5	7.0	11.5	8.0	10.7	10.1	7.3	7.3	7.9	7.1	8.9	11.0	10.0	9.0	8.5	7.9	13.0	9.2
RELY	13.5	7.5	7.6	9.7	7.6	11.1	8.5	10.7	10.2	7.7	7.3	8.2	6.9	9.0	10.3	9.3	8.9	8.5	8.2	12.7	9.2
CODA	12.9	8.3	7.5	10.7	7.8	12.4	8.6	11.0	10.7	7.8	7.7	9.2	7.4	9.4	11.4	10.3	9.7	9.8	8.0	13.1	9.7
ARS00226	13.7	7.6	8.1	10.4	7.7	12.1	8.5	10.8	10.3	7.8	6.7	8.7	6.5	9.3	10.9	9.8	8.8	9.6	8.0	14.0	9.5
ARS00235	13.7	7.9	8.5	10.8	7.7	12.4	9.1	10.9	10.7	8.3	7.1	8.5	7.5	9.0	11.7	10.3	9.2	9.1	8.3	13.1	9.7
ARS98237	13.9	7.8	7.8	10.3	7.1	12.1	9.0	10.4	10.3	7.9	7.2	8.4	7.7	9.3	11.4	10.6	9.3	9.7	7.9	12.9	9.6
ARS00173	12.9	7.6	8.1	10.9	7.2	12.3	8.7	10.7	10.6	7.9	6.9	9.0	7.5	9.3	11.4	10.6	9.5	10.0	8.7	12.4	9.6
BRUEHL	13.2	8.1	9.0	9.6	8.3	13.3	9.2	11.5	11.4	8.1	8.3	9.3	7.1	9.9	10.6	10.4	9.4	8.9	7.6	12.9	9.8
HILLER	13.6	7.7	8.1	9.6	7.9	12.0	9.2	10.8	9.8	7.9	7.5	8.9	7.2	9.2	10.8	10.1	9.3	9.2	8.2	12.3	9.5
ARS96158	13.1	7.9	7.5	10.0	7.2	12.3	8.5	10.8	10.0	7.7	7.0	9.2	7.1	9.1	10.8	10.2	9.1	9.2	7.6	12.9	9.4
MEL	14.6	9.0	9.0	12.2	7.8	11.6	10.2	10.6	10.9	8.6	8.1	10.3	8.3	9.4	13.5	11.1	9.6	10.3	8.7	13.4	10.4
EDWIN	13.5	8.3	8.7	9.9	7.8	12.7	9.7	11.5	10.8	8.5	7.5	8.7	7.1	9.4	11.4	11.1	9.3	9.7	9.0	13.8	9.9
Hard Red Common																					
SEMPER	13.2	8.8	8.1	10.5	8.5	11.6	8.7	11.2	10.1	8.8	7.4	9.2	7.3	9.8	12.4	9.8	9.6	10.2	8.6	13.0	9.8
RESIDENCE	13.3	8.5	8.2	10.7	7.6	11.2	8.7	11.1	10.2	8.5	6.9	8.9	7.1	9.7	12.2	10.0	9.6	10.2	8.7	13.2	9.8
ESTICA	12.4	8.8	8.5	10.7	8.7	12.4	8.9	11.4	10.0	8.8	7.6	9.4	7.0	10.2	12.8	10.0	9.5	10.2	9.0	13.2	10.0
CDC FALCON	12.7	8.9	7.4	9.6	7.5	10.9	8.9	10.5	10.4	8.3	7.2	9.3	7.9	9.6	11.7	10.3	9.5	9.8	9.1	12.4	9.6
MEAN	13.4	8.4	8.4	10.7	7.9	12.1	9.3	11.0	10.8	8.3	7.7	9.1	7.9	9.6	11.6	10.6	9.3	9.9	8.5	12.7	9.9
CV %	3.5	6.4	8.7	6.2	5.5	8.5	6.4	5.8	3.9	6.5	10.3	5.6	11.5	4.8	10.3	3.1	2.5	5.5	6.4	4.9	6.6
LSD @ .10	0.6	0.6	0.9	0.8	0.5	1.2	0.7	0.7	0.5	0.6	0.9	0.6	1.1	0.5	1.4	0.4	0.3	0.6	0.6	0.7	0.2