



# Yield Potential for Late Emerging Wheat



*Production Technology - Crops*

PT 2001-10

February 2001

Vol. 13, No. 10

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## Yield in Normal Situations with October Planting

Plants/sq ft	heads/plant	heads/sq ft	seed/head	mg/seed	bu/a
18*	3	54	25	26	56
18	3	54	20	26	45

18	3	54	25	20	43
18	3	54	20	20	35
18	4	73	25	26	76
18	4	73	20	26	61
18	4	73	25	20	58
18	4	73	20	20	47

\* 60 lb/a seeding rate, 80% emergence.

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## Yield Potential for Late Emerging Wheat

Plants/sq ft	heads/plant	heads/sq ft	seed/head	mg/seed	bu/a
9	2	18	25	26	19
9	2	18	25	20	14
9	1.5	14	25	26	14
9	1.5	14	25	20	11
9	1	9	25	26	9
9	1	9	25	20	7
9	2	18	20	26	15
9	2	18	20	20	12
9	1.5	14	20	26	11
9	1.5	14	20	20	9
9	1	9	20	26	7
9	1	9	20	20	6
12	2	24	25	26	25
12	2	24	25	20	19
12	1.5	18	25	26	19
12	1.5	18	25	20	14
12	1	12	25	26	12
12	1	12	25	20	10
12	2	24	20	26	20
12	2	24	20	20	15
12	1.5	18	20	26	15
12	1.5	18	20	20	12
12	1	12	20	26	10
12	1	12	20	20	8
15	2	30	25	26	31
15	2	30	25	20	24
15	1.5	23	25	26	23
15	1.5	23	25	20	18
15	1	15	25	26	16

15	1	15	25	20	12
15	2	30	20	26	25
15	2	30	20	20	19
15	1.5	23	20	26	19
15	1.5	23	20	20	14
15	1	15	20	26	12
15	1	15	20	20	10

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18	2	36	25	26	37
18	2	36	25	20	29
18	1.5	27	25	26	28
18	1.5	27	25	20	22
18	1	18	25	26	19
18	1	18	25	20	14
18	2	36	20	26	30
18	2	36	20	20	23
18	1.5	27	20	26	22
18	1.5	27	20	20	17
18	1	18	20	26	15
18	1	18	20	20	12

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23	2	46	25	26	48
23	2	46	25	20	37
23	1.5	35	25	26	36
23	1.5	35	25	20	28
23	1	23	25	26	24
23	1	23	25	20	18
23	2	46	20	26	38
23	2	46	20	20	29
23	1.5	35	20	26	29
23	1.5	35	20	20	22
23	1	23	20	26	19
23	1	23	20	20	15

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28	2	56	25	26	58
28	2	56	25	20	45
28	1.5	42	25	26	44
28	1.5	42	25	20	34
28	1	28	25	26	29
28	1	28	25	20	22
28	2	56	20	26	47
28	2	56	20	20	36
28	1.5	42	20	26	35
28	1.5	42	20	20	27
28	1	28	20	26	23
28	1	28	20	20	18

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32	2	64	25	26	67
32	2	64	25	20	51
32	1.5	48	25	26	50
32	1.5	48	25	20	38

32	1	32	25	26	33
32	1	32	25	20	26
32	2	64	20	26	53
32	2	64	20	20	41
32	1.5	48	20	26	40
32	1.5	48	20	20	31
32	1	32	20	26	27
32	1	32	20	20	20

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**Plants required per foot of row to have the number of plants per square foot indicated.**

Plants/sq ft	Row spacing (")					
	6	7	7.5	8	9	10
	----- Plants per foot of row -----					
9	5	5	6	6	7	8
12	6	7	8	8	9	10
15	8	9	9	10	11	13
18	9	11	11	12	14	15
23	12	13	14	15	17	19
28	14	16	18	19	21	23
32	16	19	20	21	24	27
36	18	21	23	24	27	30

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**Assumptions in calculating wheat yield for late emerging wheat.**

1. No harvest loss included in estimates, normal harvest loss between 1 and 5 bu/a.
2. Test weight is 60 lb/bu.

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## **Other concerns about late emerging wheat**

1. Late emerging wheat will mature 5-10 days later than October planted wheat
2. Later maturity increases the probability of heat, drought, and/or disease decreasing yield.
3. Later maturity may also increase difficulty in lining up custom harvesting.
4. Later maturity and thinner canopy increases the likelihood of weed problems at harvest.
5. Inadequate nitrogen will reduce # heads per plant and # seed per head.
6. Conditions which lead to very late emerging wheat also increase the likelihood of an excellent response to Fert. N.
7. If cheat is present in the late emerging wheat, apply Maverick after wheat has 2 leaves.
8. Applying Maverick in nitrogen solution fertilizer on late emerging wheat may reduce yield.

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