

Middle Republican NRD Local Criteria for Terraces (600)
 Applies to Frontier, Red Willow, Hayes, and Hitchcock Counties

Minimum Terrace Height: 1.8' for Conventional; 1.6' for Flat Channel
 (Terrace Height measured after Machine Travel Compaction)
 Minimum Farmable Slopes: 18' (Front, Back, and Cut Slopes)
 *VI and HI are from channel to channel

Conventional Terraces
 (Check Tech Guide if these are to be exceeded)

% Slope	Average		Maximum *	
	Vertical Interval	Horiz. Interval	Vertical Interval	Horiz. Interval
1.0	2.8	280	3.0	300
1.5	3.5	240	3.9	260
2.0	4.2	210	4.8	240
2.5	4.9	200	5.8	230
3.0	5.7	180	6.6	220
3.5	6.5	180	7.4	210
4.0	7.2	180	8.4	210
4.5	7.6	170	8.8	200
5.0	8.1	160	9.4	200
5.5	8.6	160	10.0	190
6.0	9.0	150	10.8	180
6.5	9.1	140	11.2	170
7.0	9.3	140	11.5	160
7.5	9.5	130	11.8	160
8.0	9.6	120	12.0	150
8.5	9.9	120	12.2	140
9.0	10.3	120	12.5	130

9.5 and greater, use vertical interval to give a horizontal interval of approximately 120 ft. for Conventional farming

* Maximum is used with high residue farming or special areas to get better alignment. 10/10

Flat Channel Terraces
 (Check Tech Guide if these are to be exceeded)

% Slope	Average		Maximum **	
	Vertical Interval	Horiz. Interval	Vertical Interval	Horiz. Interval
1.0	3.5	350	3.7	370
1.5	4.6	300	4.8	320
2.0	5.2	260	5.8	290
2.5	6.0	240	7.0	280
3.0	6.6	220	7.8	260
3.5	7.0	200	8.8	250

4.0 *	7.2	180	9.6	240
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Normal Channel Widths***

1% - 58 ft.

2% - 54 ft.

3% - 41 ft.

4% - 27 ft.

* Flat Channels are not recommended on slopes greater than 4%.

** Maximum is used with high residue farming or special areas to get better alignment. 10/10

***Channel width may be adjusted based upon on-site field conditions.

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