



**Soil, Water and Forage Testing Laboratory**

**Potassium recommendations applicable for methods used by laboratory.**

**Potassium Soil Fertility Recommendations for Texas Fiber Crop**

updated on 3-30-2012: soiltesting.tamu.edu

Mehlich III potassium by ICP only (ppm or mg/kg) in Soil

|   | 0                      | 10  | 20  | 30  | 40  | 45  | 50  | 55 | 60 | 70 | 80 |
|---|------------------------|-----|-----|-----|-----|-----|-----|----|----|----|----|
|   | -----lbs K2O/acre----- |     |     |     |     |     |     |    |    |    |    |
| KENAF   | 50                     | 45  | 40  | 35  | 30  | 30  | 30  | 25 | 25 | 20 | 15 |
| COTTON (DRYLAND OR LIMITED IRRIGATION , 1 BALE/A) | 30                     | 25  | 25  | 20  | 20  | 15  | 15  | 15 | 15 | 10 | 10 |
| COTTON (DRYLAND OR IRRIGATION , 1.5 BALES/A)      | 50                     | 45  | 40  | 35  | 30  | 30  | 30  | 25 | 25 | 20 | 15 |
| COTTON (2.0 BALES/A)                              | 120                    | 110 | 100 | 90  | 80  | 75  | 70  | 65 | 60 | 50 | 40 |
| COTTON (FULL IRRIGATION , 2.5 BALE/A)             | 120                    | 110 | 100 | 90  | 80  | 75  | 70  | 65 | 60 | 50 | 40 |
| COTTON (3.0 BALES/A)                              | 150                    | 140 | 130 | 120 | 110 | 105 | 100 | 95 | 90 | 80 | 70 |
| COTTON (3.5 BALES/A)                              | 150                    | 140 | 130 | 120 | 110 | 105 | 100 | 95 | 90 | 80 | 70 |
| COTTON (4.0 BALES/A)                              | 150                    | 140 | 130 | 120 | 110 | 105 | 100 | 95 | 90 | 80 | 70 |
| COTTON (4.5 BALES/A)                              | 150                    | 140 | 130 | 120 | 110 | 105 | 100 | 95 | 90 | 80 | 70 |
| COTTON (5.0 BALES/A)                              | 150                    | 140 | 130 | 120 | 110 | 105 | 100 | 95 | 90 | 80 | 70 |



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- KENAF
- COTTON (DRYLAND OR LIMITED IRRIGATION , 1 BALE/A)
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- COTTON (3.0 BALES/A)
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Potassium recommendations applicable for methods used by laboratory.

Mehlich III potassium by ICP only (ppm or mg/kg) in Soil

|   | 90                                  | 100 | 110 | 120 | 130 | 135 | 140 | 150 | 160 | 170 | 175 |
|---|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|   | -----lbs K <sub>2</sub> O/acre----- |     |     |     |     |     |     |     |     |     |     |
| KENAF   | 10                                  | 10  | 5   | 0   |     |     |     |     |     |     |     |
| COTTON (DRYLAND OR LIMITED IRRIGATION , 1 BALE/A) | 5                                   | 5   | 0   |     |     |     |     |     |     |     |     |
| COTTON (DRYLAND OR IRRIGATION , 1.5 BALES/A)      | 10                                  | 10  | 5   | 0   |     |     |     |     |     |     |     |
| COTTON (2.0 BALES/A)                              | 30                                  | 20  | 10  | 0   |     |     |     |     |     |     |     |
| COTTON (FULL IRRIGATION , 2.5 BALE/A)             | 30                                  | 20  | 10  | 0   |     |     |     |     |     |     |     |
| COTTON (3.0 BALES/A)                              | 60                                  | 50  | 40  | 30  | 20  | 15  | 10  | 0   |     |     |     |
| COTTON (3.5 BALES/A)                              | 60                                  | 50  | 40  | 30  | 20  | 15  | 10  | 0   |     |     |     |
| COTTON (4.0 BALES/A)                              | 60                                  | 50  | 40  | 30  | 20  | 15  | 10  | 0   |     |     |     |
| COTTON (4.5 BALES/A)                              | 60                                  | 50  | 40  | 30  | 20  | 15  | 10  | 0   |     |     |     |
| COTTON (5.0 BALES/A)                              | 60                                  | 50  | 40  | 30  | 20  | 15  | 10  | 0   |     |     |     |