

**Standard Nitrogen, Phosphate and Potash
Fertilizer Recommendations for 125 bu
Corn (Grain) for the Mid-Atlantic U.S. Region**

1997

Mid-Atlantic Soil Testing & Plant Analysis Work Group

Nitrogen

125-150 lb N/Acre

This is equivalent to 1.0 - 1.25 lb N/bushel of corn

Phosphorus

Test Method	Maximum P ₂ O ₅ Recommendation	Soil Test P Level at 100% Yield	P ₂ O ₅ Recommended at 100% Yield	Soil Test P Level Where No Fertilizer Recommended
	lb/A	mg/dm ³	lb/A	mg/dm ³
Mehlich 1	150 [†]	20 ^{††}	40/0 ^{†††}	35 ^{††††}
Mehlich 3	150 [†]	30 ^{†††}	40/0 ^{†††}	50 ^{††††}

[†]For sandy soils, 100 lb/A may be used.

^{††}For high clay soils, soil test P level = 15 mg/dm³.

^{†††}For high clay soils, soil test P level = 20 mg/dm³.

^{††††}If soil tested annually, recommendation = 0. Else, 40 lb/A.

^{†††††}1.5 X critical (100% yield) level.

Potassium

Test Method	Maximum K ₂ O Recommendation	Soil Test K Level at 100% Yield	K ₂ O Recommended at 100% Yield	Soil Test K Level Where No Fertilizer Recommended
	lb/A	mg/dm ³	lb/A	mg/dm ³
Mehlich 1	150	80	40/0 [†]	120 ^{††}
Mehlich 3	150	110	40/0 [†]	165 ^{††}

[†]If soil tested annually, recommendation = 0. Else, 40 lb/A.

^{††}1.5 X critical (100% yield) level.