

PROJECT: Effects of Various Aerifying Tools and Soil Conditioners  
on Water and Fertilizer Penetration - Fellowship

Duration: 3 years (1952-53-54) Records in this office  
indicate grants in '53 and '54 but apparently there  
was also a grant in 1952, as correspondence indicates  
this is a continuation.

Station: Penn State University

Total of USGA Support: \$3,600 (for 1953 and 1954 only)

Specific Accomplishments:

1. The following findings have been reported:
  - a. Mechanical aeration produces a 27 per cent average increase in the rate of the downward movement of phosphorus.
  - b. On compacted soils, cultivation practices resulted in at least a 50 per cent reduction in run-off.
2. This fellowship provided for the advanced training of a student (Mr. Myles Nelson) in turf management.