Effect of NPK fertilizers on chilli wilt caused by *Fusarium pallidoroseum* (Cooke) Sacc. at three different stages

A.G. NAJAR, S.A. GANIE, MUSHTAQ AHMAD AND QAISAR ANJUM

**SUMMARY**

The effect nitrogen, phosphorus and potassium on chilli wilt incidence was observed at three phenological stages viz., pre-flowering, 50 per cent flowering and final fruit picking. The wilt incidence showed significant increase with increase in levels of nitrogen. At pre-flowering stage, minimum wilt incidence (8.48%) was observed when the crop was fertilized with 60 kg N ha⁻¹. At 50 per cent flowering and final fruit picking stages, a similar trend was observed. However, potassium fertilizers reduced the wilt incidence with increase in its levels. The minimum wilt incidence of 9.17 per cent was noticed with 90 kg K₂O ha⁻¹. A similar trend was observed at 50 per cent flowering and final fruit picking stages. Phosphorus application, however showed a slight effect on wilt incidence. At pre-flowering, minimum wilt incidence of 9.87-10.41 per cent was recorded on applying phosphorus @ 30-60 kg ha⁻¹.


Key words:
- Nitrogen
- Phosphorus
- Potassium
- Chilli wilt
- *Fusarium pallidoroseum*