APPLE: Malus sylvestris Mill.
European Red Mite: Panonychus ulmi (Koch)
Schoene Spider Mite: Tetranychus schoenei McGregor

APPLE, PRE-BLOOM MITE TREATMENTS, 1975: Treatments of two oil formulations along with standard and experimental acaricide sprays were applied to York apples with a Bean, 35 gal per minute hydraulic sprayer at 540 psi to single tree plots replicated 5 times. The oils were applied on April 22. The 7E is the commercial 70 second viscosity superior oil. The 7E TW is a more refined, near technical white.

On April 23, 6 gal oil/acre rate. Dual tree treatments were replicated 5 times. The mite populations were sampled the day of treatment and at weekly intervals for the following five weeks.

Most of these treatments held mite populations at low levels well into June. By early July the effects of pre-bloom treatments were exhausted. The oil treatments were as good as/or superior to the other acaricides. The experimental acaricide ZR-856 shows considerable promise.

APPLE, SUMMER MITE CONTROL, 1975: Acaricide treatments were applied midseason to young apple trees. The trees had a grower applied, standard spray schedule until mid-July. On July 24 a spray of Captan 50W 4 lb + Sevin 50W 4 lb/A was uniformly applied at 4X concentration (100 gal/A). The acaricides were applied July 31 with a high pressure hydraulic sprayer operating at 540 psi. The trees were sprayed to run off. Dual tree treatments were replicated 5 times. The mite populations were sampled the day of treatment and at weekly intervals for the following five weeks.

All treatments reduced the mite populations satisfactorily. These populations did not recover for the remainder of the season.