



**Web Fig. 1:** Witches' broom caused by apple proliferation (AP) is particularly evident in winter time.



**Web Fig. 2:** Leaves of AP infected trees (left) are smaller than normal ones (right) and have big stipules at the base of the stem.



**Web Fig. 3:** Apples cv Jonagold from an healthy (left) and AP infected tree (right). Infected fruits are undersized, misshaped and irregularly coloured.

All pictures were kindly provided by Dr. Federico Bondaz (Plant Protection Unit of Val d' Aosta region).