

KEY TO THE NORTH AMERICAN SPECIES OF  
AGROMYZA RELATED TO *SIMPLEX*  
LOEW (DIPTERA).

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The species in this group are distinguished from their allies by the following combination of characters: Body entirely black, with sometimes a metallic bluish or greenish tinge, halteres black, costa ending at or slightly beyond apex of third vein.

Only five species are known to me, one of which is undescribed.

KEY TO SPECIES.

1. Mesonotum with 3 pairs of dorso-centrals.....2  
Mesonotum with 2 pairs of dorso-centrals.....3
2. Orbits distinctly shining; 5 pairs of orbitals present; anterior pair of dorso-centrals weak. Larvæ in twigs of willow. N. Y.; Ill.....*salicis* Malloch.  
Orbits opaque; 7 pairs of orbitals present; all 3 pairs of dorso-centrals strong. Food-plant unknown.....*tamia* Melander.
3. Abdomen with a distinct bluish tinge; cheek almost linear, not over one-eighth as high as eye. Food-plant unknown. Md.....*winnemana* Malloch.  
Abdomen glossy black, or at least without bluish tinge; cheek about one-fourth as high as eye.....4
4. Outer cross-vein about half its own length from inner; wings barely more than twice as long as broad; frontal and facial orbits glossy. Larvæ mining in stems of asparagus. N. J.; N. Y.; Va.; Ill.; Europe.....*simplex* Loew.  
Outer cross-vein at its own length from inner; wings about 2.5 times as long as broad; frontal orbits very slightly shining, facials opaque. Food-plant unknown. Ill.....*similata* Malloch.

*Male*.—Black; head opaque, orbits and triangle slightly shining, thorax and abdomen distinctly shining. Wings clear, veins black. Squamæ fuscous, fringes black. Halteres black.

Frons over one-third the width of head; ocellar triangle poorly defined, extending almost to anterior margin of frons; posterior