Stenobothrus brunneus (also known as Bruneria brunnea) occurs in foothill grasslands and dry mountain meadows in Wyoming. It becomes less common at very high elevations or in the moist mountain meadows. Eggs are assumed to overwinter in the soil. Adults are common from mid July to early September. This grasshopper feeds mostly on grasses. At times it can be quite abundant. Damage to foothill grasslands is possible in conjunction with other species.