REGION 2 SENSITIVE SPECIES EVALUATION FORM

Species: Wiest's sphinx moth (Prairie sphinx moth) (*Euproserpinus wiesti*)

Criteria	Rank	Rationale	Literature Citations
1 Distribution within R2	A1	Species is documented only dune sheets east of Roggen, near Lamar, and Great Sand Dunes. Species could well be at some additional dune localities but requires Aeolian sand and caterpillar host Oenotheia latifolia. Confidence in Rank **High**	• Smith, M.J. 1993. Moths of western North America. 2. Distribution of Sphingidae of western North America. Contribtions of the C.P. Gillette Museum of Arthropod Diversity, Fort Collins, Colorado. • Opler, P.A. 2000. Euprosepinus wiestii in Association for Biodiversity Information online database [www.abi.org].
2 Distribution outside R2	B	Also occurs in a few widely separated colonies in New Mexico, Texas, and Utah. Confidence in Rank **High**	• Smith, 1993. • Opler. 2000.
3 Dispersal Capability	B	Can fly but seem to be behaviorally sedentary. Flies at time of year when temperatures are cool and sand dunes provide locally warmer areas. Confidence in Rank **Medium**	• Opler (personal assessment)
4 Abundance in R2	A	Number of confirmed populations is limited about five colonies in region. Confidence in Rank **Medium**	• Smith (1993)
5 Population Trend in R2	B	Believed to be stable but no available data on which to base opinion. Confidence in Rank **Medium**	• Opler (personal assessment)
6 Habitat Trend in R2	B	Believed to be stable but no available data on which to base opinion. Confidence in Rank **Low**	• Opler (personal assessment)

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7 Habitat Vulnerability or Modification	A	Habitat is susceptible to trampling by livestock, and invasion of alien weeds. Confidence in Rank **High**		• Opler (personal assessment)
8 Life History and Demographics	A	Single generation per year and possibly high mortality coupled with small population sizes.		• Opler (personal assessment)
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National Forests in the Rocky Mountain Region where species is KNOWN (K) or LIKELY(L)[1] to occur:

Colorado NF/NG	Known	Likely	Kansas NF/NG	Known	Likely	Nebraska NF/NG	Known	Likely	South Dakota NF/NG	Known	Likely	Wyoming NF/NG	Known	Likely
Arapaho-Roosevelt NF			Cimmaron NG			Samuel R.McKelvie NF			Black Hills NF			Shoshone NF		
White River NF						Halsey NF			Buffalo Gap NG			Bighorn NF		
Routt NF						Nebraska NF			Ft. Pierre NG			Black Hills NF		
Grand Mesa, Uncompahgre, Gunnison NF						Ogalala NG						Medicine Bow NF		
San Juan NF												Thunder Basin NG		
Rio Grande NF														
Pike-San Isabel NF														
Comanche NG		X												

[1] Likely is defined as more likely to occur than not occur on the National Forest or Grassland. This generally can be thought of as having a 50% chance or greater of appearing on NFS lands.