

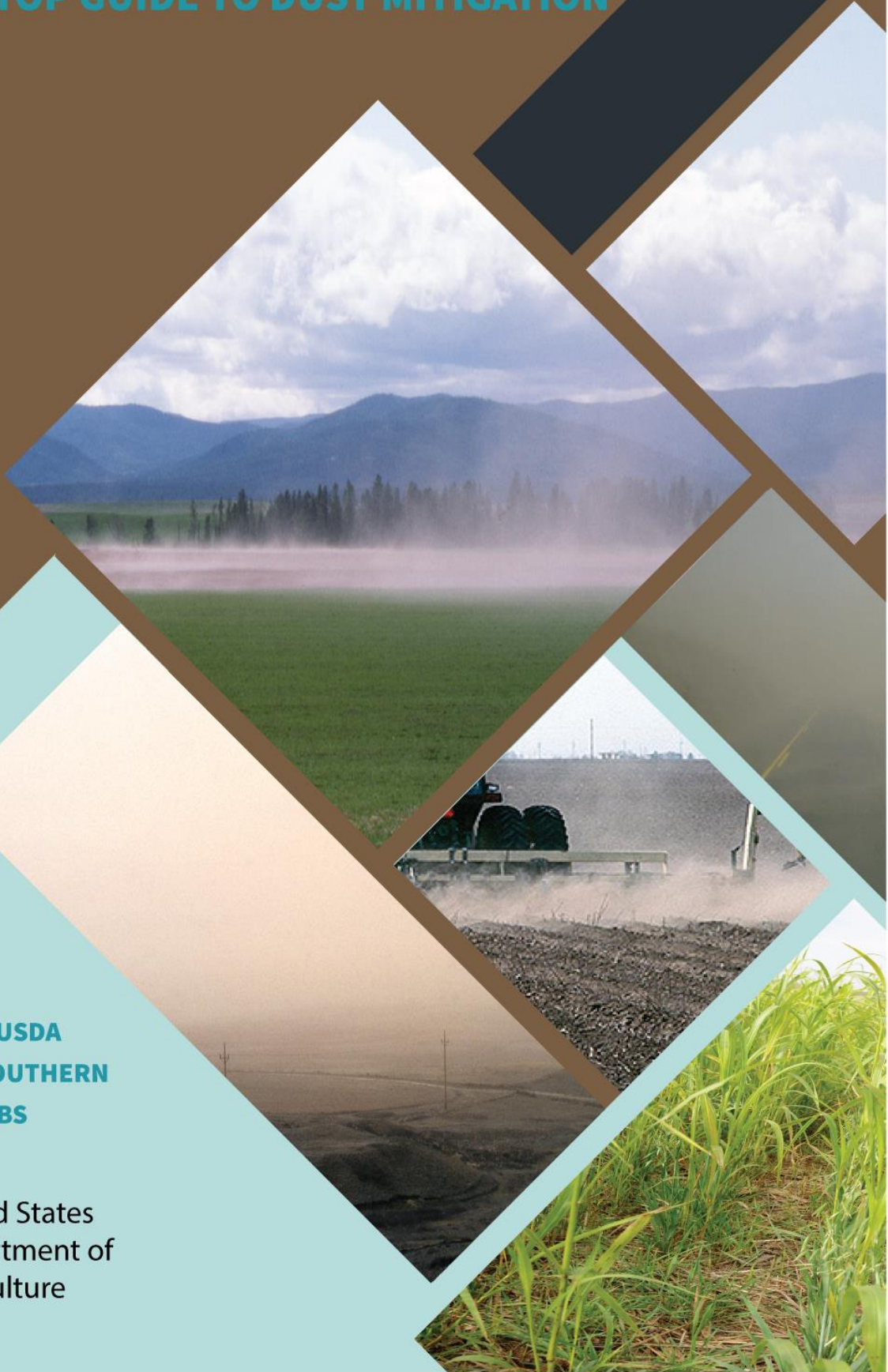
DUST MITIGATION HANDBOOK

ONE STOP GUIDE TO DUST MITIGATION

A PRODUCT OF THE USDA
SOUTHWEST AND SOUTHERN
PLAINS CLIMATE HUBS



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The concepts and suggestions in this handbook come from many sources and are based on the field experiences and research of practitioners, NRCS agents and scientists, as well as published technical guides, program-specific literature, and scholarly literature. For simplicity, all references from all chapters are listed together in Appendix A.

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Acronyms used in this handbook

Acronym	Definition
°C	Degrees Celsius
°F	Degrees Fahrenheit
ACEP	Agricultural Conservation Easement Program
AED	Aerodynamic equivalent diameter
AERO	Aeolian Erosion (model)
AIM	Assessment, Inventory and Monitoring
AOD	Aerosol optical depth
APEX	Agricultural Policy / Environmental eXtender
ARS	United States Department of Agriculture Agricultural Research Service
BLM	Bureau of Land Management
CCA	Critical Conservation Area
CEAP	Conservation Effects Assessment Project
CMIP5	Coupled Model Intercomparison Project
CO ₂	Carbon dioxide
CPC	Conservation Program Contract
CPPE	Conservation Practice Physical Effects
CPS	Conservation Practice Standard
CREP	Conservation Reserve Enhancement Program
CRP	Conservation Reserve Program
CSP	Conservation Stewardship Program
CTSG	Conservation Tree and Shrub Groups
dS	Decisiemens
ECP	Emergency Conservation Program
EFRP	Emergency Forest Restoration Program
EPA	United States Environmental Protection Agency
EQIP	Environmental Quality Incentives Program
ESD	Ecological Site Description
FOTG	Field Office Technical Guide
FSA	USDA Farm Service Agency
HFRP	Healthy Forest Reserve Program
IET	Integrated Erosion Tool
IMPROVE	Interagency Monitoring of Protected Visual Environments
MLRA	Major Land Resource Area
MP	Marianas Islands
NARR	North American Regional Reanalysis
NCEP	National Centers for Environmental Prediction
NIPF	Non-Industrial Private Forest
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service

NRI	National Resources Inventory
PL-566	Public Law 83-566 Watershed Authorities
PM	particulate matter
PM ₁₀	particles with an aerodynamic equivalent diameter (AED) less than or equal to 10 μm
PM _{2.5}	particles that have an aerodynamic equivalent diameter (AED) less than or equal to 2.5 micrometers (μm)
PR	Puerto Rico
PSFP	Prairie States Forestry Project
RCP8.5	Representative Concentration Pathway 8.5
RCPP	Regional Conservation Partnership Program
RHEM	Rangeland Hydrology and Erosion Model
RMA	USDA Risk Management Agency
RMS	Resource Management Systems
RUSLE2	Revised Universal Soil Loss Equation -2
SCI	Soil Conditioning Index
STIR	Soil Tillage Intensity Rating
SWEEP	Single Wind Erosion Event Program
USDA	Unites States Department of Agriculture
USDA-ARS	Unites States Department of Agriculture Agricultural Research Service
WEG	Wind Erodibility Group
WEI	Wind Erodibility Index
WEPP	Water Erosion Prediction Project
WEPS	Wind Erosion Prediction System
WEQ	Wind Erosion Equation
WSG	Windbreak Suitability Groups

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