

# Index

## A

Abundance of seedlings and young plants 4-16  
 Accelerating practices 3.2-38, 5.1-2, 5.2-76, 11-1, 11-9, 11-11, 11-14, 11-15, Glossary-1  
 Acid soils 3.2-9, 3.2-29, 3.2-30, 3.2-33, 3.2-34, 3.2-36, 3.2-38, 5.2-33, 5.2-61, 5.2-64, Glossary-1  
 Adaptive management 5.3-1, 11-15  
 Adjustment factor Glossary-1  
 Aggregate stability 7.1-3, 7.1-7, 7.1-18, 7.1-19, 7.1-21  
 Air-dry weight 3.1-7, 3.1-13, 4-4, 4-6, 4-7, 4-23, 5.1-20, 6-8, Glossary-1  
 Alfalfa 2-5, 3.2-1, 3.2-4, 3.2-5, 3.2-17, 3.2-21, 3.2-22, 3.2-24, 3.2-27, 3.2-28, 3.2-30, 3.2-31, 3.2-32, 3.2-35, 3.2-39, 3.2-40, 3.2-44, 5.2-3, 5.2-4, 5.2-11, 5.2-12, 5.2-16, 5.2-26, 5.2-27, 5.2-33, 5.2-37, 5.2-52, 5.2-54, 5.2-55, 5.2-56, 5.2-57, 5.2-58, 5.2-65, 5.2-66, 5.2-67, 5.2-68, 5.2-69, 5.2-70, 5.2-72, 5.2-73, 5.2-77, 5.2-78, 5.2-82, 5.2-83, 6-13, 6-15, 7.1-6, 7.1-14  
 Alkaline soil 3.2-7, 3.2-19, 3.2-29, 3.2-30, 3.2-31, 3.2-36, Glossary-1  
 Alternative uses 7.1-1, 9-1, 10-4  
 Aluminum saturation 3.2-9  
 Aluminum toxicity 3.2-4, 3.2-34, 3.2-35, 5.2-30  
 Amortization 10-3, 10-4, 10-5  
 Analyze resource data 11-4, 11-8  
 Animal behavior 6-10, 6-19  
 Animal inventory 5.3-5, 11-13  
 Animal unit 3.2-4, 5.1-8, 5.1-16, 5.1-17, 5.2-4, 5.2-8, 5.2-19, 5.2-20, 5.2-21, 5.2-22, 5.2-23, 5.2-24, 5.2-26, 5.2-31, 5.3-1, 5.3-3, 6-8, 6-9, 6-13, 10-5  
 Animal unit equivalents 6-8, 6-9, 6-13

Animal unit month 3.2-4, 5.2-8, 5.3-3, 6-8  
 Annual production 3.1-6, 3.1-7, 3.1-12, 3.1-15, 4-3, 4-8, 4-17, 4-18, 4-38, 4-42, 5.1-2, 5.2-9, 5.2-45  
 Assembly of ecological site data 3.1-8  
 Associated sites 5.1-6  
 AU 5.2-31, 5.3-2, 5.3-3, 6-8, 6-9, 6-13, Glossary-4  
 AUE 6-13  
 AUM 3.2-4, 3.2-5, 5.3-2, 5.3-3, 6-8, Glossary-4  
 Authority 1-1, 11-2  
 Available phosphorus 3.2-5, 3.2-41  
 Available potassium 3.2-5  
 Available water capacity 3.2-4, 3.2-7, 3.2-10, 3.2-19, 3.2-20, 3.2-25, Glossary-4  
 Average annual minimum temperature 3.2-3, 3.2-13, 3.2-15  
 Average July temperature 3.2-3, 3.2-13, 3.2-15

## B

Bare ground 3.1-13, 3.2-5, 4-16, 4-17, 5.2-11, 7.1-15, 7.1-16  
 Basal metabolism 6-3, 6-4  
 Base saturation 3.2-33  
 Baseflow 7.1-6, 7.1-9  
 Biologists 8-2, 8-6, 9-8  
 Body condition score 6-4, 6-5, Glossary-6  
 Breeding season 6-17  
 Browse 4-9, 4-10, 4-11, 4-12, 5.1-6, 5.1-7, 5.1-8, 5.1-16, 5.1-19, 8-7, 8-12, Glossary-7  
 Browse lines Glossary-7  
 Brush control and watershed effects 7.1-5, 7.1-22, Glossary-7

## C

Calcareous soil 3.2-10, 3.2-36, 5.2-33, 5.2-74  
 Calculating stocking rates 5.3-1

Carbohydrates 6-1, 6-2, 6-6, 6-11, 6-14  
 Carrying capacity 8-5, Glossary-9  
 Cash flow 5.2-19, 9-2, 9-9, 9-11, 10-8  
 Cation exchange capacity 3.2-4, 3.2-7, 3.2-8, 3.2-9, 3.2-10, 3.2-19, 3.2-33, 3.2-34, 3.2-36, 3.2-40, 3.2-41, 3.2-42, 5.2-60, 5.2-61, 5.2-74, 5.2-75, Glossary-9  
 Clients 10-2, 11-1, 11-2, 11-3, 11-4, 11-5, 11-6, 11-7, 11-8, 11-10, 11-13, 11-14, 11-15  
 Climatic features 3.1-10, 3.1-11, 3.2-3  
 Clubmoss 7.1-16  
 Community pathway 3.1-3, 3.1-12  
 Compaction layer 4-28, 4-33, 4-35, 4-42  
 Competition 5.1-3, 5.1-19, 5.2-36, 5.2-68, 5.2-76, 7.1-3, 7.1-5, 8-5, 8-7, 8-8, 9-11, Glossary-10  
 Composition changes 4-15, 5.1-3, 5.1-15, 7.1-19  
 Condition of animals 4-10  
 Condition of the soil surface 4-1, 4-16  
 Conservation crop rotation 5.2-77, 5.2-79, 5.2-80, 5.2-82  
 Conservation planning 3.2-26, 4-8, 4-14, 5.1-2, 5.1-8, 5.1-14, 5.1-19, 5.2-83, 7.1-3, 7.1-4, 8-1, 8-2, 9-8, 11-1, 11-2, 11-3, 11-4, 11-15  
 Conservation practices for pasture 5.2-19  
 Controlled breeding 6-17  
 Conversion factor 5.3-2, Glossary-12  
 Coordinated resource management 11-2, Glossary-12  
 Correlating ecological sites 3.1-10  
 Cover 2-2, 2-4, 3.1-12, 3.1-13, 3.1-14, 3.2-3, 3.2-4, 3.2-5, 3.2-6, 3.2-13, 3.2-15, 3.2-18, 3.2-19, 3.2-28, 3.2-44, 3.2-45, 3.2-46, 3.2-48, 4-1, 4-2, 4-5, 4-15, 4-16, 4-17, 4-44, 4-45, 5.1-3, 5.1-7, 5.2-14, 5.2-19,

- Cover (cont.) 5.2-20, 5.2-23, 5.2-24, 5.2-26, 5.2-30, 5.2-36, 5.2-40, 5.2-55, 5.2-57, 5.2-58, 5.2-65, 5.2-67, 5.2-80, 5.2-82, 6-5, 6-6, 7.1-3, 7.1-4, 7.1-5, 7.1-6, 7.1-9, 7.1-11, 7.1-15, 7.1-16, 7.1-17, 7.1-18, 7.1-19, 7.1-21, 7.1-23, 7.1-24, 8-1, 8-2, 8-3, 8-5, 8-7, 8-8, 8-11, 8-12, 9-7, 10-4, 11-4, 11-5
- Cowardin wetland system 3.1-12
- Cropland 3-1, 3.2-8, 3.2-45, 3.2-46, 5.1-18, 5.2-2, 5.2-9, 5.2-17, 5.2-49, 5.2-54, 5.2-59, 5.2-63, 5.2-65, 5.2-79, 5.2-80, 5.2-81, 7.1-21, 8-1, 8-4, 8-8, Glossary-12
- Cropland and hayland 2-4, 3.2-8
- D**
- Days of snow cover 3.2-3, 3.2-13, 3.2-15, 3.2-18
- Deferred rotation 5.1-8, 5.1-9, 5.1-13, 5.1-14, 7.1-19, Glossary-14
- Deferred stocking 5.2-29
- Defining proper degree of grazing use 5.1-7
- Denitrification 3.2-9, 5.2-61, 5.2-63
- Depth to restrictive layer 3.2-25, 3.2-48, 7.1-7
- Desirable plants 4-44, 5.2-11, 5.2-20, 5.3-3, 5.3-4, Glossary-14
- Desired plant community 3.1-13, 5.1-2, 5.1-15, 5.1-21, 8-2, 8-7, 8-8, Glossary-15
- Determine objectives 11-6
- Determining percentage of grazed versus ungrazed plants 4-9
- Determining utilization of browse plants 4-9
- Developing new site description 3.1-17
- Differentiation between ecological sites 3.1-6
- Digestible energy 6-2, Glossary-15
- Direct marketing 9-1, 9-3
- Discount rate 10-1, 10-3, 10-5, 10-6, 10-7, 10-9, 10-10, Glossary-15
- Discounting 10-6, 10-7, 10-8, Glossary-15
- Disease and herbivory control 3.2-5, 5.2-77
- Diversification 9-1, 9-2, 9-3, 9-6, 9-7, 9-8, 9-10
- Diversifying 9-1, 9-8
- Double sampling 4-4, 4-6
- Dry matter digestibility 5.2-22, Glossary-17
- Dynamics of ecological sites 5.1-1, 7.1-19
- E**
- Ecological processes 3.1-3, 3.1-6, 3.1-12, 4-23, 4-24, 4-25, 4-34, 5.1-1, 5.1-2, 5.1-8, Glossary-45
- Ecological site description 3.1-1, 3.1-3, 3.1-5, 3.1-6, 3.1-7, 3.1-8, 3.1-10, 3.1-11, 3.1-13, 3.1-16, 3.1-19, 4-1, 4-2, 4-8, 4-14, 4-15, 4-17, 4-18, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-35, 4-37, 4-38, 4-39, 4-40, 4-41, 4-43, 5.1-2, 5.1-15, 5.1-21, 8-2, 11-3, 11-7, 11-13
- Ecological site descriptions  
forest land 11-3, 11-7, 11-13  
rangeland 11-3, 11-7, 11-13
- Ecological site information system 3.1-9, 3.1-11, 4-4, 4-5, 4-7
- Ecological site inventory 3.1-6, 3.1-8
- Ecological sites 1-2, 1-4, 1-5, 3.1-1, 3.1-5, 3.1-6, 3.1-7, 3.1-8, 3.1-9, 3.1-10, 3.1-11, 3.1-16, 3.1-18, 3.1-19, 3.2-2, 4-1, 4-2, 4-4, 4-7, 4-8, 4-14, 4-15, 4-16, 4-42, 4-43, 5.1-1, 5.1-2, 5.1-5, 5.1-7, 5.1-15, 5.1-21, 5.3-2, 7.1-5, 8-2, 8-3, 11-1
- Economic analysis 5.2-79, 10-1, 10-2, 10-5
- Economic factors 9-9, 9-11, 9-13
- Economic feasibility 5.2-74, 10-1, 11-14
- Economics 5.2-59, 7.1-2, 9-10, 10-1, 10-3, 10-5, 10-10, 11-14
- Edge effect 8-3, 8-4, 8-5, 8-7, 8-8, Glossary-18
- Endangered Species Act 8-1
- Energy 3.1-3, 3.1-6, 3.1-13, 3.1-16, 4-15, 5.1-3, 5.1-8, 5.1-15, 5.2-15, 5.2-16, 5.2-22, 5.2-24, 5.2-28, 5.2-34, 5.2-46, 6-1, 6-2, 6-3, 6-4, 6-6, 6-11, 6-13, 6-15, 7.1-4, 7.1-6, 7.1-17, 7.1-19, 8-11, 9-6
- Enterprise 5.1-2, 9-1, 9-2, 9-3, 9-4, 9-5, 9-6, 9-7, 9-8, 9-9, 9-10, 9-11, 9-12, 9-13, 9-14, 9-15, 9-16, 10-1, 11-2, Glossary-18
- Enterprise diversification 9-1, 9-19
- Entrepreneurial 9-3
- Entropy 7.1-20
- Equipment 2-5, 3.2-20, 3.2-34, 3.2-35, 5.2-29, 5.2-37, 5.2-44, 5.2-56, 5.2-76, 5.2-77, 5.2-79, 9-2, 11-3, 11-7
- Erosion 1-1, 1-2, 2-4, 3.1-5, 3.1-6, 3.1-13, 3.1-17, 3.2-6, 3.2-7, 3.2-10, 3.2-20, 3.2-48, 4-16, 4-26, 4-27, 4-28, 4-29, 4-30, 4-31, 4-32, 4-33, 4-34, 4-38, 4-42, 5.1-3, 5.1-5, 5.1-15, 5.2-26, 5.2-36, 5.2-41, 5.2-44, 5.2-65, 5.2-80, 7.1-1, 7.1-2, 7.1-3, 7.1-5, 7.1-9, 7.1-15, 7.1-16, 7.1-17, 7.1-18, 7.1-19, 7.1-20, 7.1-21, 7.1-22, 7.1-23, 9-6, 9-14, Glossary-19
- Erosion model 7-1, 7.1-22
- Estimating and harvesting 4-4, 4-7, 4-8
- Evaluate alternative solutions 11-10
- Evaluating and rating ecological sites 4-1, 4-14
- Evaluation of results 11-15

Evapotranspiration 3.2-3, 3.2-13,  
3.2-16, 3.2-17, 3.2-25, 3.2-26,  
5.2-38, 5.2-69, 5.2-70, 7.1-1,  
7.1-9, 7.1-11, 7.1-12, 7.1-13,  
7.1-17, Glossary-19  
Exchangeable aluminum 3.2-9,  
3.2-29, 3.2-32, 3.2-34, 3.2-35,  
5.2-61, 5.2-74, Glossary-19

## F

Facilitating practices 5.1-2,  
5.1-17, 5.1-21, 5.2-39, 5.2-43,  
5.2-45, 5.2-48, 5.2-79, 8-12,  
11-7, 11-9, 11-12, 11-14,  
Glossary-19  
Facility-based enterprises 9-3,  
9-4, 11-8  
Fecal sampling 6-13  
Feed additives 6-15, Glossary-19  
Feeding rules 6-15  
Feedstuff 5.2-3, 5.2-34, 5.2-55,  
5.2-63, 5.2-80, 6-2, 6-14,  
Glossary-20  
Fencerow developments 8-5  
Fencing 3.2-7, 3.2-8, 3.2-19,  
3.2-47, 5.1-2, 5.2-41, 5.2-45,  
5.2-46, 5.2-78, 7.1-3, 7.1-24,  
11-11, Glossary-20  
Field Office Technical Guide  
3.1-16, 3.1-18, 5.1-2, 5.1-3,  
5.1-4, 5.1-15, 5.2-76, 5.2-83,  
5.3-2, 9-8, 11-1, 11-13  
Fire effects on hydrology and  
erosion 7.1-23  
Fishing 2-1, 2-2, 7.1-2, 8-1, 8-2,  
8-6, 8-11, 8-12, 9-3, 9-4, 9-5  
Forage crops 3.2-2, 3.2-4, 3.2-5,  
3.2-6, 3.2-8, 3.2-9, 3.2-10,  
3.2-11, 3.2-12, 3.2-13, 3.2-14,  
3.2-15, 3.2-16, 3.2-17, 3.2-18,  
3.2-24, 3.2-25, 3.2-26, 3.2-28,  
3.2-29, 3.2-33, 3.2-34, 3.2-35,  
3.2-36, 3.2-38, 3.2-39, 3.2-40,  
3.2-41, 3.2-42, Glossary-22  
Forage croplands and pasturelands  
2-4  
Forage growth response 3.2-20,  
3.2-29, 5.2-9

Forage harvest management  
3.2-18, 5.2-54, 5.2-68, 5.2-76,  
5.2-77, 11-13, Glossary-22  
Forage inventory 5-1, 5.3-2,  
5.3-5, 5.3ex-1, 5.3ex-5, 11-7,  
11-9, 11-12, 11-13, Glossary-  
22  
Forage quality 2-4, 2-5, 3.2-6,  
3.2-13, 3.2-17, 3.2-18, 3.2-46,  
5.1-8, 5.2-2, 5.2-20, 5.2-24,  
5.2-29, 5.2-37, 5.2-39, 5.2-54,  
5.2-55, 5.2-57, 5.2-58, 5.2-65,  
6-7, 6-8, 6-9, 6-10, 9-6,  
11-8, 11-13  
Forage suitability groups (FSG)  
3-1, 3.1-19, 3.2-1, 3.2-2,  
3.2-3, 3.2-4, 3.2-7, 3.2-8,  
3.2-11, 3.2-12, 3.2-14, 3.2-17,  
3.2-18, 3.2-19, 3.2-26, 3.2-28,  
3.2-29, 3.2-33, 3.2-34, 3.2-36,  
3.2-38, 3.2-40, 3.2-41, 3.2-45,  
3.2-47, 5.2-50, 5.2-59, 5.2-83,  
11-1, 11-13, Glossary-22  
Forage utilization 4-9, 5.2-17,  
5.2-22, 5.2-23, 5.2-26, 5.2-29,  
5.2-43, Glossary-22  
Forage value rating 4-1, 4-43,  
5-1, 5.1-8, 5.1-17, 5.1-20,  
5.1-21, 5.3-3, 5.3-4, 5.3ex-9,  
11-8, Glossary-22  
Forestland ecological site 4-7  
Freeze-free period 3.1-11, 3.2-3,  
3.2-12, 3.2-13  
Frost heave 3.2-1, 3.2-7, 3.2-10,  
3.2-19, 3.2-42, 3.2-43, 3.2-44,  
5.2-41, 5.2-57, 5.2-66,  
Glossary-23  
Frost-free period 3.1-11, 3.2-12,  
3.2-14

## G

Game ranching 9-1, Glossary-24  
Geology-based enterprises 9-5  
Gestation period 6-18  
Goal of NRCS 1-2  
Grasses 2-2, 3.1-13, 3.2-9,  
3.2-12, 3.2-15, 3.2-18, 3.2-25,  
3.2-40, 3.2-42, 3.2-44, 3.2-47,  
4-3, 4-15, 4-34, 4-36, 4-44,  
4-45, 5.1-15, 5.1-16, 5.1-18,

Grasses (cont.) 5.2-2, 5.2-3,  
5.2-4, 5.2-9, 5.2-11, 5.2-13,  
5.2-14, 5.2-15, 5.2-16, 5.2-17,  
5.2-18, 5.2-30, 5.2-32, 5.2-34,  
5.2-35, 5.2-36, 5.2-37, 5.2-52,  
5.2-54, 5.2-56, 5.2-57, 5.2-60,  
5.2-61, 5.2-62, 5.2-63, 5.2-64,  
5.2-65, 5.2-66, 5.2-67, 5.2-75,  
5.2-76, 7.1-4, 7.1-5, 7.1-6,  
7.1-8, 7.1-12, 7.1-14, 7.1-15,  
7.1-16, 7.1-22, 8-8, 9-7,  
Glossary-25  
Grazing effects on hydrology and  
erosion 7.1-19  
Grazing effects on riparian areas  
7.1-23  
Grazing heights 5.2-10, 5.2-12  
Grazing land applications 6-9,  
6-13, 10-2, 10-5, 11-1, 11-3,  
11-10  
Grazing land resources 2-1, 3.2-7,  
3.2-20, 3.2-28, 5.2-83, 8-1,  
11-6  
Grazing practices 5.1-3, 5.2-19,  
7.1-19, 8-1  
Grazing systems 1-5, 5.1-8, 5.1-9,  
5.1-12, 5.1-13, 6-16, 6-17,  
7.1-5, 7.1-19, 7.1-21, 7.1-23,  
8-8, 8-12, 9-13, Glossary-27  
Green weight 4-6, 4-7, 5.3-2  
Gross energy 6-2, 6-2, 6-26  
Ground cover 3.1-12, 3.1-13,  
3.1-14, 3.2-44, 4-1, 4-26,  
4-27, 4-29, 4-45, 5.2-14,  
5.2-26, 5.2-65, 5.2-67, 5.2-82,  
7.1-6, 7.1-16, Glossary-27  
Growing degree-day 3.2-3, 3.2-12,  
3.2-13, 3.2-14, 3.2-15, 3.2-16  
Growing season 2-5, 3.2-1, 3.2-3,  
3.2-8, 3.2-12, 3.2-13, 3.2-14,  
3.2-15, 3.2-16, 3.2-24, 3.2-25,  
3.2-26, 3.2-28, 3.2-42, 3.2-47,  
4-7, 4-8, 4-9, 4-13, 4-23,  
5.1-1, 5.1-8, 5.1-10, 5.2-3,  
5.2-8, 5.2-12, 5.2-16, 5.2-28,  
5.2-36, 5.2-57, 5.2-62, 5.2-68,  
5.2-70, 6-17, 7.1-6, 7.1-14,  
Glossary-27  
Growing season length 3.2-12,  
3.2-14, 3.2-16, 5.2-3

Growing season mean precipitation 3.2-3, 3.2-13, 3.2-15, 3.2-16

Gullies 3.1-12, 7.1-3, 7.1-5, 7.1-17, 7.1-18

Gully erosion 7.1-18, 7.1-21, 7.1-23

## H

Habitat elements 8-3, 8-5, 8-7, 8-8

Habitat suitability 8-2, 8-7

Habitat type 8-3, 8-4, Glossary-28

Harvest efficiency 5.2-45, 5.3-1, 5.3-3, Glossary-29

Hay planting 5.2-65, 5.2-76

Hayland 3.2-8, 3.2-45, 3.2-46, 5.2-2, 5.2-9, 5.2-17, 5.2-49, 5.2-61, 5.2-63, 5.2-64, 5.2-79, 5.2-80, 5.3-2, 8-1, 8-3, 8-8

Hedging 4-10, Glossary-29

High intensity—Low frequency 5.1-9, 5.1-12, 5.1-13, Glossary-30

Historic climax plant community 3.1-2, 3.1-3, 3.1-5, 3.1-6, 3.1-7, 3.1-8, 3.1-10, 3.1-11, 3.1-12, 3.1-13, 3.1-15, 3.1-19, 4-2, 4-14, 4-15, 4-16, 4-17, 4-43, 5.1-6, 7.1-15, 7.1-16, Glossary-30

Historic plant climax and hydrology 7.1-15

Hoof action 5.2-10, 7.1-19

Hunting 5.2-78, 8-8, 9-1, 9-3, 9-4, 9-9, 9-10, 9-11, 9-12, 11-2, 11-8, 11-13

Husbandry 5.2-42, 5.2-83, 5.3-5, 6-1, 6-9, 6-14, 11-3, 11-7, 11-13

Hydraulic conductivity 7.1-7

Hydrographs 7.1-8, 7.1-9, 7.1-10

Hydrologic cycle 7.1-1, 7.1-2, 7.1-3, 7.1-4, 7.1-6, 7.1-19

Hydrologic function 3.1-15, 4-23, 4-24, 4-25, 4-30, 4-41, 4-42

Hydrologic water budget 7.1-11

Hydrology models 4-1, 4-2, 7.1-22

## I

Improved pasture 2-5, 3.2-7, 5.2-1, 5.2-2, 5.2-43, Glossary-31

Incidence of cloudiness 3.2-3, 3.2-13, 3.2-18

Income 2-4, 9-1, 9-2, 9-9

Infiltration curve 7.1-7

Infiltration definitions 7.1-7

Institutional factors 9-9, 9-11, 9-13

Intake 3.2-19, 4-16, 5.2-9, 5.2-12, 5.2-17, 5.2-20, 5.2-21, 5.2-22, 5.2-23, 5.2-24, 5.2-26, 5.2-29, 5.2-32, 5.2-40, 5.2-41, 5.2-52, 5.2-54, 5.2-62, 5.3-1, 6-3, 6-6, 6-7, 6-8, 6-9, 6-10, 6-11, 6-12, 6-15, 6-20, 7.1-7, 9-6

Integrity of the biotic community 4-23, 4-24, 4-25, 4-41, 4-42

Interception 5.2-10, 5.2-20, 7.1-6, 7.1-11, 7.1-12, 7.1-15

Internal rate of return 10-1, 10-5, 10-6, 10-9, 10-10, Glossary-32

Interrill erosion 4-27, 4-31, 4-34, 7.1-5, 7.1-15, 7.1-16, 7.1-17

Interspersion 8-3, 8-4, 8-5

Inventory 2-5, 3.1-1, 3.1-6, 3.1-8, 3.1-16, 3.1-18, 4-1, 4-2, 4-14, 4-18, 4-23, 4-42, 4-44, 4-45, 5-1, 5.1-2, 5.1-3, 5.1-19, 5.1-20, 5.1-21, 5.2-80, 5.2-83, 5.3-2, 5.3-5, 6-9, 8-3, 8-6, 9-10, 11-2, 11-3, 11-4, 11-5, 11-6, 11-7, 11-8, 11-9, 11-12, 11-13

Inventory the resources 11-7

Inventorying grazed forest 5.1-20

Irrigation water management 3.2-5, 3.2-38, 5.2-38, 5.2-61, 5.2-69, 5.2-72, 5.2-76, 5.2-77

## K

Key grazing areas 4-9, 5.1-5, 5.1-6, 5.1-7, 5.1-8, Glossary-32

Key species 4-9, 4-10, 4-13, 4-45, 5.1-5, 5.1-6, 5.1-7, 5.1-8, 5.3-2, 7.1-5, 11-7, Glossary-32

## L

Labor 2-4, 2-5, 3.2-1, 3.2-33, 4-2, 5.2-46, 5.2-49, 5.2-56, 5.2-58, 6-15, 6-17, 6-18, 9-1, 9-2, 9-10, 9-11, 9-12, 9-13, 9-14

Lactation 5.2-23, 5.2-24, 6-2, 6-6, 6-10, 8-3

Leaf area index 5.1-10, Glossary-33

Litter 3.1-13, 4-1, 4-27, 4-28, 4-29, 4-31, 4-34, 4-38, 4-42, 5.2-17, 5.2-33, 5.2-34, 7.1-6, 7.1-12, 7.1-15, 7.1-18, Glossary-33

Litter movement 4-31, 4-42

Livestock grazing 2-1, 2-2, 2-3, 2-5, 3.1-8, 5.1-15, 5.2-26, 7.1-3, 7.1-19, 7.1-21, 7.1-23, 7.1-24, 8-2, 8-3, 8-8, 9-2,

Livestock-based enterprises 9-3

Location of salt, minerals, and supplemental feed 6-16

## M

Management objectives 1-4, 4-15, 4-16, 4-43, 5.1-2, 5.1-6, 5.1-7, 8-3, 8-6, 9-13, 11-1, 11-9

Management of grazing lands 5.1-3

Management of the overstory 5.1-15

Management of the understory 5.1-16, 5.1-20

Managing grazed forest land 5.1-15, 5.1-19

Managing naturalized or native pasture 5.1-21

Managing rangeland 5-1, 5.1-1, 7.1-22

Marketing 6-17, 6-18, 9-1, 9-3, 9-4

Mean annual precipitation 3.1-11,  
3.2-3, 3.2-13, 3.2-16  
Metabolizable energy 6-2, 6-3,  
Glossary-35  
Methods of determining production  
and composition 4-4  
Minerals and vitamins 6-15  
Mission 1-1, 3.2-20, 3.2-45  
Moisture profile 7.1-8, 7.1-9  
Monitoring 3.1-11, 3.1-16, 3.1-19,  
4-1, 4-2, 4-18, 4-23, 4-44,  
4-45, 5.2-22, 5.2-68, 5.2-69,  
5.2-83, 7.1-19, 7.1-21, 7.1-22,  
8-12  
Multispecies calculator 8-7  
Multivariate nature of rangelands  
7.1-3

## N

Naming ecological sites 3.1-9,  
3.1-11  
National Planning Procedures  
Handbook 8-2, 9-8, 11-1,  
11-2, 11-4  
National Soil Survey Handbook  
3.1-10, 3.1-17, 3.1-18, 3.2-2,  
3.2-28, 3.2-44, 3.2-46  
Native and naturalized pasture  
2-3, 3.1-19, 5-1  
Native fertility 3.2-8, 3.2-19,  
3.2-40, 5.2-59  
Native haylands 5.2-61  
Natural resource-based enterprises  
9-3  
Naturalized hayland 5.2-61  
Naturalized plant community 2-3,  
3.1-3, 3.1-5, 3.1-6, 3.1-12,  
3.1-13, 3.1-19, 4-43  
Net energy 6-3, Glossary-36  
Net present value 10-1, 10-5,  
10-6, 10-7, 10-8, 10-10,  
Glossary-37  
Nine steps of conservation planning  
11-3, 11-4, 11-15  
Nonconsumed plants 4-44, 5.3-  
3, 5.3-4, Glossary-37  
Nontraditional uses 9-1  
NRCS policy 1-2, 1-3, 1-4, 1-5,  
3.1-18, 4-4, 8-2, 10-2, 11-1

Numbering ecological sites 3.1-9,  
3.1-11, 3.2-2  
Nutrient management 3.2-8,  
5.2-3, 5.2-30, 5.2-32, 5.2-35,  
5.2-59, 5.2-60, 5.2-63, 5.2-76,  
5.2-77, 5.2-82, 11-14,  
Glossary-38

## O

Objectives of conservation planning  
11-1  
Ocular estimates 4-9  
Opportunity cost 10-3, Glossary-  
38  
Overgrazed 5.1-18, 5.2-1, 5.2-2,  
5.2-17, 5.2-18, 5.2-20, 5.2-34,  
5.2-39, Glossary-38  
Overgrazing 3.2-19, 5.2-2, 5.2-18,  
5.2-20, 5.2-49, 6-8, 8-11,  
Glossary-38  
Overland flow 3.1-12, 4-27, 4-38,  
5.2-39, 7.1-9, 7.1-15, 7.1-17,  
7.1-18, Glossary-38  
Overstocked 5.2-2, 5.2-17,  
5.2-18, 5.2-19

## P

Palatability 4-43, 4-44, 4-45,  
5.1-5, 5.3-3, 5.3-4, 6-19,  
Glossary-39  
Partial budgeting 10-1, Glossary-  
39  
Pasture condition scoring 7.1-18,  
7.1-22  
Pasture planting 5.2-35, 5.2-65,  
5.2-66, 5.2-67, 11-14,  
Glossary-39  
Pastureland watershed 7.1-1,  
7.1-2, 7.1-3  
Pedestal 3.1-12, 3.2-47,  
Glossary-39  
Percolation 3.2-33, 3.2-38,  
3.2-40, 5.2-39, 5.2-69, 5.2-82,  
7.1-3, 7.1-8, 7.1-11, 7.1-12,  
7.1-23, Glossary-39  
Phosphorus fixation 3.2-9  
Physical factors 5.3-1, 9-9, 9-11,  
9-13

Physiographic features 3.1-9,  
3.1-11, 3.2-3  
Planned grazing system 6-17,  
7.1-23, 8-8, 8-12, Glossary-41  
Planned trend 4-14, 4-15, 4-42,  
4-43, Glossary-41  
Planning grazing management 5-1,  
5.1-3  
Plant communities 1-3, 2-2, 2-3,  
3.1-1, 3.1-2, 3.1-3, 3.1-5,  
3.1-6, 3.1-7, 3.1-8, 3.1-9,  
3.1-10, 3.1-11, 3.1-12, 3.1-13,  
3.1-15, 3.1-18, 4-23, 4-38,  
4-39, 4-43, 5.1-1, 5.1-2,  
5.1-3, 5.1-5, 5.1-7, 5.1-19,  
5.2-1, 5.2-20, 6-10, 7.1-3,  
7.1-4, 7.1-5, 7.1-8, 7.1-9,  
7.1-15, 7.1-17, 7.1-19, 7.1-22,  
7.1-24, 8-1, 8-3, 8-4, 8-7,  
8-8, 9-8, Glossary-41  
Plant community composition and  
distribution relative to infiltra-  
tion and runoff 3.1-8, 3.1-12,  
3.1-13, 3.1-16, 4-34  
Plant functional/structural groups  
4-42  
Plant growth forms 3.1-16, 7.1-3,  
7.1-16  
Plant life forms 7.1-3, 7.1-16  
Plant mortality/decadence 3.1-13,  
4-37, 4-42  
Plant succession 3.1-2, 8-7  
Plant vigor 3.2-6, 4-8, 4-16,  
5.2-21, 5.2-57, 5.3-2, 7.1-24,  
11-3, 11-8, Glossary-41  
Plant-based enterprises 9-5  
Policy 1-1, 1-2, 1-3, 1-4, 1-5,  
3.1-18, 4-4, 8-1, 8-2, 9-8,  
10-2, 11-1  
Population management 8-6  
Porosity 3.2-42, 5.2-39, 7.1-3,  
7.1-6, 7.1-7, 7.1-18, 7.1-19  
Potential evapotranspiration  
3.2-3, 3.2-13, 3.2-16, 5.2-38  
Precipitation 3.1-7, 3.1-9, 3.1-10,  
3.1-11, 3.2-2, 3.2-3, 3.2-13,  
3.2-15, 3.2-16, 3.2-17, 3.2-44,  
4-15, 4-24, 4-29, 4-32, 4-34,  
4-45, 5.2-38, 5.2-69, 5.2-82,  
6-7, 7.1-3, 7.1-4, 7.1-5, 7.1-6,  
7.1-8, 7.1-9, 7.1-11, 7.1-12,



Precipitation (cont.) 7.1-13,  
7.1-15, 7.1-17, 7.1-23,  
Glossary-42

Preferred plants 4-44, 5.1-20,  
5.3-3, Glossary-42 5.1-3, 5.1-4

Preplanning 11-3, 11-4, 11-5

Prescribed burn 5.2-37, 7.1-3,  
7.1-22, 7.1-23

Prescribed burning 3.1-3, 4-15,  
5.1-2, 5.1-3, 5.1-16, 5.1-21,  
5.2-37, 5.2-38, 8-8, 11-11,  
11-14, Glossary-42

Prescribed grazing 4-15, 4-43,  
5.1-2, 5.1-3, 5.1-8, 5.1-15,  
5.1-17, 5.1-20, 5.1-21, 5.2-19,  
5.2-20, 5.2-45, 5.2-76, 5.2-77,  
5.3-1, 5.3ex-21, 11-11, 11-13,  
11-14, 11-15, Glossary-42

Prescribed grazing schedule 5.1-8

Principles of forest grazing 5.1-15

Production of trees 4-8

Productivity 1-5, 3.1-2, 3.1-6,  
3.2-1, 3.2-2, 3.2-6, 3.2-20,  
3.2-24, 3.2-45, 4-35, 4-44,  
5.1-9, 5.1-21, 5.2-24, 5.2-45,  
5.2-59, 5.2-65, 6-4, 6-19,  
7.1-14, 7.1-18, 7.1-23, 8-6,  
8-7, Glossary-43

Products 2-1, 2-2, 2-3, 3.1-3,  
3.1-16, 3.2-1, 4-2, 5.1-15,  
5.1-20, 5.1-21, 5.2-2, 5.2-19,  
5.2-30, 5.2-34, 5.2-36, 5.2-63,  
5.2-67, 5.2-75, 6-1, 6-3, 6-4,  
9-1, 9-3, 9-5, 9-6, 9-13,  
9-14, 10-5

Profits 9-1

Project plans 1-4

Proper degree of grazing use 5.1-7

Proper grazing 5.2-7, 7.1-22,  
Glossary-43

Protein supplement 6-11, 6-13,  
6-14, 6-15

Proteins 3.2-42, 5.2-33, 6-1, 6-2,  
6-3, 6-11, 6-14

## Q

Quality criteria 5.1-2, 5.1-4,  
5.1-5, 5.1-6, 9-8, 9-9, 11-1,  
11-3, 11-9, Glossary-43

## R

Raindrop impact 7.1-17, 7.1-18

Raindrops 3.1-13, 4-27, 4-32,  
4-38, 7.1-6, 7.1-17, 7.1-18

Range improvement practices and  
hydrologic effects 7.1-2,  
7.1-22

Rangeland condition 4-25

Rangeland ecological site 3.1-11,  
3.1-18, 5.1-7, Glossary-45

Rangeland health 4-1, 4-9, 4-14,  
4-23, 4-24, 4-25, 4-26, 4-35,  
4-38, 4-41, 4-42, 4-43, 5.1-2,  
5.1-7, 7.1-18, 7.1-22,  
Glossary-45

Rangeland health ecological attri-  
butes 4-14

Rangeland trend 4-14, 4-15, 4-42,  
Glossary-45

Rangeland watersheds 7.1-17

Real estate 9-1, 9-5

Real estate-based enterprises 9-5

Recreation 2-1, 2-2, 2-3, 3.1-16,  
4-2, 7.1-3, 7.1-24, 9-3, 9-4,  
9-5, 9-8, 9-13, 11-1, 11-7,  
11-13, Glossary-46

Recreational 2-2, 3.1-16, 9-1,  
9-2, 9-10, 9-13, 9-14, 11-2

Rehabilitation 7.1-24

Relations 1-5, 3.1-9, 3.1-10,  
3.2-29, 3.2-37

Relative humidity 3.2-3, 3.2-13,  
3.2-17, 3.2-18, 5.2-56

Reproductive capability of perennial  
plants 4-40, 4-42

Resilience 3.1-3, Glossary-46

Resistance 3.1-3, 3.2-18, 3.2-44,  
4-31, 4-33, 4-35, 4-42,  
5.2-35, 5.2-40, 5.2-65, 5.2-77,  
5.2-78, 5.2-83, 7.1-18,  
Glossary-46

Rest rotation 5.1-9, 5.1-10,  
5.1-11, Glossary-47

Retrogression 3.1-2, 3.1-5,  
Glossary-47

Revising ecological site descriptions  
3.1-16

Rill erosion 3.2-6, 7.1-18

Rills 3.2-6, 3.2-16, 3.2-47,  
3.2-48, 4-1, 7.1-3, 7.1-17,  
7.1-18

Riparian area characteristics 5.1-6

Riparian areas 2-2, 5.1-3, 5.1-5,  
5.1-6, 5.2-29, 5.2-49, 7.1-21,  
7.1-23, 7.1-24, 8-8, 8-11,  
8-12

Riparian vegetation 5.2-40, 8-11

Risk 3.2-14, 5.1-14, 5.2-35, 5.2-  
57, 5.2-77, 9-2, 10-1, 10-3

Root growth 3.2-6, 3.2-9, 3.2-26,  
3.2-34, 5.1-3, 5.1-4, 5.2-4

Roots 3.1-7, 3.1-13, 3.1-16,  
3.2-9, 3.2-20, 3.2-24, 3.2-25,  
3.2-29, 3.2-34, 3.2-42, 3.2-44,  
3.2-48, 4-28, 4-30, 5.1-3,  
5.1-4, 5.2-10, 5.2-36, 5.2-38,  
5.2-39, 5.2-60, 5.2-63, 5.2-65,  
5.2-69, 5.2-70, 5.2-72, 7.1-3,  
7.1-8, 7.1-18, 7.1-22

Rosgen stream classification  
3.1-12

Roughages 5.2-2, 6-7, Glossary-  
48

Runoff 3.1-1, 3.1-7, 3.1-11,  
3.1-16, 3.2-8, 3.2-9, 3.2-17,  
3.2-48, 4-16, 4-18, 4-31,  
4-34, 4-35, 4-38, 4-42,  
5.2-30, 5.2-34, 5.2-38, 5.2-61,  
5.2-63, 5.2-65, 5.2-82, 7.1-1,  
7.1-3, 7.1-4, 7.1-5, 7.1-6,  
7.1-7, 7.1-9, 7.1-11, 7.1-12,  
7.1-15, 7.1-16, 7.1-17, 7.1-18,  
7.1-19, 7.1-22, 7.1-23,  
Glossary-48

## S

Salinity 3.2-5, 3.2-8, 3.2-19,  
3.2-25, 3.2-36, 3.2-37, 3.2-38,  
3.2-40, 3.2-42, 5.2-43, 5.2-50,  
5.2-59, 5.2-71, 5.2-72, 5.2-73,  
6-12

Salt requirements 6-16

Sampling techniques 4-1, 4-44

Sampling vegetation 4-1, 4-44

Seasonal distribution of growth  
3.2-7, 5.2-3, 5.2-5, 5.2-6,  
5.2-7, 5.2-8, 5.2-9

Seasonal stocking 5.2-29

Sediment delivery and ratios  
7.1-21, 7.1-22

- Seed quality 5.2-35, 5.2-67  
 Services 2-1, 2-2, 3.1-11, 3.2-1, 7.1-1  
 Sheet erosion 3.2-6, 7.1-17, 7.1-18  
 Short duration 5.1-9, 5.1-13, 5.2-27, 7.1-21, Glossary-51  
 Shrink-swell 3.2-19, 3.2-47, Glossary-51  
 Shrub control 7.1-22  
 Shrub coppices 7.1-15, 7.1-16  
 Silage 3.2-4, 3.2-5, 3.2-17, 3.2-18, 3.2-21, 3.2-22, 3.2-31, Glossary-52  
 Silage storage 5.2-49, 5.2-55  
 Similar sites 3.1-16  
 Similarity index 1-2, 3.1-13, 4-1, 4-2, 4-7, 4-9, 4-14, 4-17, 4-18, 4-19, 4-20, 4-21, 4-22, 4-23, 4-42, 4-43, 4-45, 5.1-2, 5.1-7, 5.3-2, 5.3-4, 7.1-15, 7.1-16, 11-3, 11-7, 11-12, Glossary-52  
 Similarity index and hydrologic condition 7.1-15, 7.1-16  
 Simple interest 10-3  
 Site description approval 3.1-16  
 Site interpretations 3.1-15, 3.1-17, 9-8  
 Social factors 9-1, 9-9, 9-12, 9-14  
 Sodic soils 3.2-10, 3.2-29, 3.2-36, 3.2-37, 3.2-38, 3.2-47, 5.2-39, 5.2-69, 5.2-72, 5.2-73, 5.2-74, 5.2-75, Glossary-52  
 Sodium adsorption ratio 3.1-12, 3.2-4, 3.2-5, 3.2-10, 3.2-37  
 Soil amendments 2-4, 3.2-7, 3.2-10, 3.2-29, 3.2-36, 3.2-38, 5.2-1, 5.2-35, 5.2-36, 5.2-72, 5.2-74, 5.2-75, Glossary-53  
 Soil bulk density 6-10, 7.1-3, 7.1-6, 7.1-7, 7.1-18, 7.1-19  
 Soil condition 3.2-2, 3.2-4, 3.2-5, 3.2-12, 3.2-24, 3.2-29, 3.2-32, 3.2-42, 3.2-45, 3.2-47, 7.1-5, 7.1-7, 7.1-16  
 Soil Conservation Act of 1935 1-1  
 Soil features 3.1-10, 3.1-12, 3.2-1, 3.2-2, 3.2-26  
 Soil organic matter 2-4, 3.2-4, 3.2-19, 3.2-25, 3.2-34, 3.2-41, 3.2-42, 3.2-45, 4-31, 4-33, 5.2-33, 5.2-39, 5.2-65, 5.2-75, 5.2-80, 7.1-3, 7.1-7, 7.1-14, 7.1-17, 7.1-18, 7.1-19, 7.1-23, Glossary-12  
 Soil salinity 3.2-36, 3.2-38, 5.2-72, 7.1-3  
 Soil structure 3.2-42, 4-33, 4-35, 5.2-29, 5.2-82, 7.1-3, 7.1-6, 7.1-7, 7.1-21  
 Soil surface cover 3.1-13, 3.2-46  
 Soil surface loss and degradation 4-28, 4-33, 4-42  
 Soil surface resistance to erosion 4-31, 4-42  
 Soil texture 3.1-7, 3.2-4, 3.2-19, 3.2-25, 3.2-34, 3.2-44, 4-30, 5.2-37, 7.1-5, 7.1-6, 7.1-7, 7.1-22  
 Soil, water, air, plants, and animals 5.1-15, 7.1-3, 9-8, 11-1, 11-3  
 Soil/site stability 4-23, 4-24, 4-25, 4-26, 4-41, 4-42, 7.1-22, 7.1-23  
 Spatial distribution 4-34, 7.1-16  
 SPUR 7.1-22  
 State 1-2, 1-3, 2-1, 2-3, 3.1-2, 3.1-3, 3.1-4, 3.1-5, 3.1-6, 3.1-8, 3.1-9, 3.1-10, 3.1-11, 3.1-12, 3.1-15, 3.1-16, 3.1-19, 4-4, 4-14, 5.1-6, 5.1-21, 5.2-10, 5.2-22, 5.2-39, 6-1, 6-2, 6-3, 6-6, 6-20, Glossary-54  
 State and transition model 3.1-2, 3.1-3, 3.1-4, 3.1-12  
 Steady state infiltration 7.1-5, 7.1-7  
 Stocking methods 5.2-20, 5.2-24, 5.2-25, 5.2-28, 5.2-29  
 Stocking rate determinations 5.3-2  
 Stocking rates 3.2-2, 4-2, 5.1-6, 5.1-8, 5.2-20, 5.2-21, 5.3-1, 5.3-2, 5.3-4, 6-9, 7.1-19  
 Storage capacity 3.2-48, 7.1-6, 7.1-17  
 Structure of canopy cover 3.1-13  
 Stubble height 5.2-12, 5.2-15, 5.2-20, 5.2-21, 5.2-22, 5.2-26, 5.2-27, 5.2-39, 5.2-57, 5.2-68, 5.2-83, 7.1-24  
 Subsurface flow 7.1-9, 9-7, Glossary-48  
 Succession 3.1-2, 3.1-5, 4-18, 5.2-18, 5.2-20, 5.2-75, 7.1-3, 7.1-16, 8-5, 8-7, Glossary-56  
 Supplement 3.2-8, 3.2-12, 3.2-14, 3.2-17, 5.1-2, 5.2-20, 5.2-30, 5.2-33, 5.2-54, 5.2-63, 8-12, 9-1, 11-13  
 Supplemental feed 3.2-8, 5.2-3, 5.2-22, 5.2-35, 6-4, 6-7, 6-13, 6-14, 6-16, 6-17, 11-14  
 Supporting information 3.1-16  
 Surface detention 7.1-6  
 SWAPA 4-15
- ## T
- Tame pasture 2-5, Glossary-57  
 Technical guides 3.1-16, 3.1-18, 7.1-24  
 Thermoneutral zone 6-3, 6-6, 6-7, Glossary-57  
 Thresholds 3.1-3, 3.1-12, 3.2-12, 7.1-16, 7.1-18, 7.1-22  
 Time value of money 5.2-19, 10-3  
 Total annual production 3.1-6, 3.1-15, 4-3, 4-17, 4-18, 5.2-8, 5.2-9, Glossary-58  
 Tourism 9-2, 9-3  
 Toxic 3.2-26, 3.2-29, 3.2-34, 3.2-35, 3.2-36, 4-44, 5.2-17, 5.2-30, 5.2-38, 5.2-39, 5.2-47, 5.2-61, 5.2-64, 5.2-67, 5.2-77, 5.2-79, 5.2-83, 5.3-3, 5.3-4, 6-10, 6-15  
 Toxic plants 4-44, 5.3-3, 5.3-4  
 Trafficability 3.2-4, 3.2-19, 3.2-45, 3.2-46, 3.2-47, Glossary-58  
 Trampling 4-16, 4-29, 4-35, 5.2-3, 5.2-20, 5.2-22, 5.2-29, 5.2-48, 7.1-2, 7.1-5, 7.1-18, 7.1-19, 7.1-23, 8-11, Glossary-58

Transition 3.1-2, 3.1-3, 3.1-4,  
3.1-12, 5.1-2, 5.1-19, 5.2-20,  
5.2-29, 7.1-8, 7.1-23,  
Glossary-58  
Travel corridors 8-3, 8-4  
Travel lanes 8-5, 9-6  
Trend 4-1, 4-2, 4-9, 4-10, 4-11,  
4-12, 4-13, 4-14, 4-15, 4-16,  
4-17, 4-42, 4-43, 4-44, 4-45,  
5.1-1, 5.1-2, 5.1-7, 5.1-8,  
5.2-20, 5.3-2, 5.3ex-2, 8-7,  
8-12, 11-3, 11-7, 11-8, 11-12,  
11-15, Glossary-59

## U

Undesirable plants 4-44, 5.1-3,  
5.3-3  
Uses and benefits 2-1  
Utilization 3.2-7, 3.2-32, 3.2-46,  
4-1, 4-9, 4-10, 4-11, 4-13,  
4-44, 4-45, 5.1-8, 5.1-12,  
5.1-13, 6-1, 6-2, 6-11, 6-15,  
6-16, 7.1-24, 8-7, 8-12, 9-6

## V

Vegetation management practices  
3.1-3, 5.1-2, 5.1-3, 7.1-1,  
11-9  
Vegetation sampling 4-1, 4-44  
Vitamins 5.2-2, 6-11, 6-15

## W

Water budgets 5.2-38, 5.2-69,  
5.2-82, 7.1-11, 7.1-12, 7.1-13,  
7.1-17, Glossary-61  
Water cycle 3.1-3, 3.1-6, 3.1-13,  
4-24  
Water development 5.1-2, 5.1-21,  
5.2-39, 8-12, 11-9, 11-11,  
11-15  
Water feature 3.1-12  
Water quality 2-2, 5.1-5, 5.2-19,  
5.2-40, 5.2-43, 5.2-63, 5.2-70,  
5.2-79, 5.2-80, 5.2-82, 6-12,  
7.1-1, 7.1-2, 7.1-23, 7.1-24,  
8-5, 8-11, 8-12, 11-2, 11-4,  
11-5, 11-7, 11-8, 11-13

Water repellency 7.1-23  
Water soluble aluminum 3.2-34,  
3.2-35  
Water use efficiency 3.2-20,  
7.1-14  
Water-based enterprises 9-5  
Watering facilities 5.2-43, 6-8,  
8-6, 8-9, 11-7  
Watershed 1-1, 1-4, 2-3, 4-2,  
4-18, 4-34, 5.1-8, 5.2-63,  
5.2-79, 7.1-1, 7.1-2, 7.1-3,  
7.1-5, 7.1-6, 7.1-8, 7.1-9,  
7.1-10, 7.1-11, 7.1-15, 7.1-17,  
7.1-19, 7.1-21, 7.1-22, 8-11,  
8-12, Glossary-62  
Watershed inputs 7.1-5, 7.1-11  
Watershed issues 7.1-2  
Weed control 3.2-6, 5.2-35,  
5.2-65, 5.2-66, 5.2-75, 5.2-76,  
11-14  
Weight units 4-4, 4-8  
WEPP 7.1-22  
Wetting front 7.1-8  
Wildlife food 2-4, 8-1, 8-8  
Wildlife habitat 2-1, 2-2, 4-2,  
5.1-5, 5.1-8, 5.1-15, 5.1-16,  
5.1-18, 5.1-19, 7.1-1, 7.1-2,  
7.1-24, 9-7, 11-3, 11-7, 11-8,  
11-13  
Wildlife water 8-6, 8-9  
Wildlife-based enterprises 9-4  
Wind erosion 5.2-65, 5.2-80,  
5.2-82  
Wind-scoured, blowout, and/or  
depositional areas 3.1-12,  
4-30, 4-42  
Winter-based enterprises 9-5