

**TABLES FOR CONVERTING GREEN WEIGHT TO DRY WEIGHT  
BY  
GROWTH STAGE**

Green Weight x  
Percent = Dry Weight

**GRASSES**

Scientific Name	Average Dry Matter Percent by Stages of Development					
	Common Name	Pre-Bloom	Full Bloom	Dough Soft Seed	Seed Mature	Curing to Cured
<b>GRASSES</b>						
Agropyron spp.	Wheatgrasses	(27)	(45)	(50)	(60)	(85)
cristatum	Crested Wheatgrass	25-30	40-45	50-55	60	75-90
elongatum	Tall	25	40-45	48-55	55-65	80-90
inerme	Beardless	25-30	35-40	45	50-60	80-90
intermedium	Intermediate	25	40-45	45-50	55-60	75-85
riparium	Streambank	25-30	45-50	53-56	60-65	80-90
dasystachyum	Thickspike	25	45-50	55-60	60-65	85-90
spicatum	Bluebunch	25-30	40-50	50-55	55-65	80-90
smithii	Western	25-30	45-50	53-58	60-65	70-90
subsecundum	Bearded	25	35-40	45-50	55-60	70-90
sibiricum	Siberian	25-30	40-45	50-55	60-65	75-90
trachycium	Slender	25-30	40-45	50-55	60-65	75-90
trichophorum	Pubescent	25-30	38-43	45-50	55-60	70-85
Arrenatherum						
elatus	Tall Oatgrass	25	35-40	40-45	50-55	65-85
Bromus spp.	Brome grasses	20-25	35-40	40-48	50-55	75-85
inermis	Smooth (manohar)	20-25	35-40	40-45	50-55	75-85
marginatus	Mountain	20-25	35-40	40-45	50-60	65-85
tectorum	Cheat	25-30	35-40	50-55	60-65	85-90
Calamagrostis						
rubescens	Pinegrass	25-30	35-40	40-45	45-50	
Arristida						
longiseta	Red threeawn grass	28-35	40-45	50-55	60-65	85-90
Carex sp (dry)	Sedges	30-40	45-50	55	60	80
filifolia	Threadleaf	30	45	55	60	80
geyeri	Elk	40	50	55	60	75
Dactylus	Orchardgrass	20-25	30-35	40-45	50-55	60-80
glomeratus						
Elymus spp.	Wild-ryegrass					
cinereous	Basin	25-30	45-50	50-55	60-65	65-80
glaucus	Blue	25	35-40	40	55	75-85
salina	Salina					
Eleocharis sp.	Rushes				38	
Festuca	Fesues					
elatior	Meadow-Alta-Tall	25	35-40	45-50	55-60	70
idahoensis	Idaho	30-35	40	45-50	50-60	75-85
ovina	Sheep	25-35	40-45	45-50	55-60	75-85
rubra	Red	25-30	40-45	45-50	55-60	70-85
Juncus spp.	Wiregrass	20	40-45	45-50		
Koeleria	Junegrass	20-30	38-45	50-55	60-65	75-85
cristata						

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**GRASSES--continued**

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<b>GRASSES</b>						
Melica						
bulbosa	Oniongrass	20-30	40-45	45-50	50-55	80-85
Oryzopsis						
hymenoides	Indian Rice grass	30	45-50	50-55	60-65	80
Oryzopsis						
webberi	Weber Rice grass	30	45	50	60-65	80
Poa						
ampla	Big	25-30	38-45	50-55	60-65	70+
nevadensis	Nevada	20-30	38-45	50-55	60-65	70+
pratensis	Kentucky	20-25	35-40	45-50	55-60	65-70+
secunda	Sandberg	25-30	40-45	50-55	55-60	85-90
Phalaris						
arundinacea	Reed Canary	25	40-45	50-55	60	75
Phleum						
pratensz	Timothy	20-25	35-40	45-50		
Sitanion						
hystriz	Squirreltail	25-35	45-50	55-60	65-70	85-90
Sporobolus						
airoides	Alkali Sacaton	30	45	55	65	80
Sporobolus						
cryptandrus	Sand Dropseed	25	40	60	60	85
Stipa spp.	Needlegrasses					
columbiana	Columbia	25-30	40-45	50	55-60	75+
comate	Needles and Thread	25-30	40-45	50-55	60-65	70+
lettermani	Letterman	25-30	40-45	50-55	60-65	70+
thurberiana	Thurber	25-30	40-45	50-55	60-65	80+
Williamsi	Williams	25-30	40-45	50	55-60	70+

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**FORBS**

Scientific Name	Average Dry Matter Percent by Stages of Development					
	Common Name	Pre-Bloom	Full Bloom	Dough Soft Seed	Seed Mature	Curing to Cured
<b>FORBS</b>						
Achilles						
lanulosa	Yarrow	17-20	27	30-39	40-45	60
Agastache						
urtiofolia	Horsemint	25	30	45		
Agoseris spp.	Mountain Dandelion	17				
Alliums pp.	Wild onion	15	20		40	70+
Artemisia						
ludoviciana	Green sage and cudweed	18			43-45	65+
Aster spp.	Aster	27	35	40	40-50	65+
Astragalus sp.	Tall			25		
Astragalus sp.	Low			25		
Balsamorhiza						
sagittata	Arrowleaf Balsamroot	17-25	30-35	35-45	45-50	65+
Castilleja spp.	Indian Paint Brush	25	27	30	35	50+
Crepis						
acuminate	Tapertip Hawksbeard	25	30	35	40	50
Crepis spp.	Hawksbeard	25	30	35	40	50
Delphinium spp.	Tall Larkspur	22	28	30	35	50
Delphinium spp.	Low Larkspur	25	30	35	40	50
Erigeron spp.	Daisies	22	25	30	35	55
Erigeron						
speciosus	Daisies			33	35	55
Eriogonum spp.	Buckwheat	20-25	30-40	40	50-55	65+
Fraseria						
speciosa	Showy frasers		20	20		
Galium						
boreale	Bedstraw	17-20			45-50	
Geranium spp.	Geranium	20	25-30	30-35	40-45	55+
Helianthelia						
uniflora	Oneflower sunflower	20	30-35	38-45	50-55	65+
Heracium						
lenatum	Cow parsnip	20	20	20	22	30
Hieracium						
albertinum	Hawkweed	15-20	25-30		35-40	65+
Lathyrus spp.	Peavine	20	25	29	35	50
Leptodactylon						
pungens	Granite Gilia				60	
Lithospermum						
ruderales	Stoneseed	15-20	25-30	40-45	50-55	65+
Lomatium spp.	Biscuitroot	15-20	20-25	26-30	37	
Lupinus spp.	Lupine	18-25	25-30	30-35	40-45	50
Mertensia						
leonardi	Bluebells	18	20	22	30	50

## FORBS--continued

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<b>FORBS</b>						
Orthocarpus spp.	Owlclover	15	20	25	35	45+
Osmorrhiza						
occidentalis	Sweet anise	18	21	25	30	50+
Penstemon spp.	Penstemon	20	25	30-35	35-40	50+
Paeonia						
brownii	Peony			30-38	40	
Phlox spp.	Phlox	20-25	35	45	50	70+
Polemonium						
foliosissimum	Jacobs Lader	15	20	30	35	60+
Polygonum spp.	Knotweed		25	40	45	
Potentilla spp.	Cinquefoil	15-20	25	30-35	38-45	55+
Rudbeckia						
occidentalis	Western coneflower	21	25	30	40	55
Salsola						
tenuifolia	Russian thistle	25	30	45	50	65
Senaioio spp.	Groundsel					
integerrimus	Lambstongue	15-20	23-30	30-40	40-45	55+
sorra	Butterweed	15-20	25-30	35	40	55+
Stellaria						
jamesiana	Starwort	23	23	30	31	
Taraxacum						
officinale	Dandelion		21			65+
Thalium fendleri	Meadow-rue	23	30	36	40	
Tragopogon spp.	Salsify	20	30	35	40	
Valeriana						
occidentalis	Valerian		20		25	
Vicia						
Americana	Vetch		25	30	30	
Viguiera						
multiflora	Showy goldeneye		30	35		
Viola spp.	Violet	15-20	20-25	30	38	
Wyethia spp.	Wyethia	20-25	25-30	35	40	55+

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**PASTURE SPECIES**

Scientific Name	Average Dry Matter Percent by Stages of Development					
	Common Name	Pre-Bloom	Full Bloom	Dough Soft Seed	Seed Mature	Curing to Cured
<b>PASTURE SPECIES</b>						
Medicago sativa	Alfalfa	20	30		39-42	
Melilotus spp.	Sweetclover	20	30			
Trifolium repens	Ladino and Dutch					
Trifolium hybridum	Alsike clover					
Trifolium pretense	Red clover					
Onobrychis sativa	Sainfoin	20	30			
Lotus corniculatis	Trefoil					
Astragalus cicer	Cicer Milkvetch	20	30			

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**SHRUBS AND TREES**

Scientific Name	Average Dry Matter Percent by Stages of Development							
	Common Name	Early Leaf	Flowering	Foliage Mature	Late Season	Winter	Dough	Mature
<b>SHRUBS AND TREES</b>								
Acer								
glabrum	Rocky Mountain maple	30						
Amelanchier								
alaifolia	Serviceberry		35	40				
Artemisia								
arbuscula	Dwarf sage			54	60-75			
Artemisia								
cana	Silver sage			35				
Artemisia								
nova	Black sage			50-55	60-75			
Artemisia								
tridentate	Big Sage	35	40	50	55	60		
Artemisia								
tripartite	Threetip sage			38				
Atriplex								
confertifolia	Shadscale							
Ceanothus								
velutinus	Snowbrush	35	45	50	65			
Chrysothamnus								
viscidiflorus	Little Rabbitbrush	30	37-45	50-60	65	70+		
Chrysothamnus								
nauseosus	Rubber Rabbitbrush	30-40	45-50	55-60	65	70+		
Eriogonum spp.	Shrubby Buckwheat			50-55	70			
Gutierrezia								
sarthrae	Snakewood			40				
Juniperus								
osteosperma	Oneseed Juniper			58				
Opuntia spp.	Prickly Pear		10*	13-15**				
Physocarpus								
malvaceus	Ninebark				74			
Populus								
tremuloides	Aspen			37-40	52-56			
Prunus								
virginiana	Chokecherry							
Prunus								
emarginata	Bittercherry			43	69			
Purshia								

tridentate	Bitterbrush	30	40	55	65			
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## SHRUBS AND TREES--continued

Scientific Name	Common Name	Average Dry Matter Percent by Stages of Development						
		Early Leaf	Flowering	Foliage Mature	Late Season	Winter	Dough	Mature
<b>SHRUBS AND TREES</b>								
Rosa spp.	Rose	25	35	35				
Salix spp.	Willow		30					
Sambucus spp.	Elderberry			22				
Symphoricarpos spp.	Snowberry	30	35	40	65			
Tetradymia								
canescens	Horsebrush			55	70			
Ribes	Currant			45				
Berberis	Oregon grape		37					

\* New Pods Forming

\*\* Fruit ripe and drying