

**Hay Quality Sensory Evaluation Form – Timothy; Export & Horse ( $\leq 10\%$  legume)**

T.C. Griggs, Utah State University; S.C. Fransen, Washington State University; and M.G. Bohle, Oregon State University

Entry no. \_\_\_\_\_ Class/intended use \_\_\_\_\_ Cutting \_\_\_\_\_ Bale size/type \_\_\_\_\_  
(Export, horse, feed store, etc.) Probe moisture % \_\_\_\_\_

Evaluation purpose \_\_\_ Nutritional value (see alternate scoring for Maturity\*) \_\_\_ Economic value

Characteristic	Points	Score	Notes
<b>1. Package functionality</b> (max. 10)			
A. Bale tie effectiveness/spacing	5-0		
B. Bale shape/density/transportability	5-0		
<b>2. Odor</b> (max. 15)			
A. New-mown/sweet to neutral	15-10		
B. Preservative-treated or fermented	15-0		
C. Caramelized/heat-damaged	10-0		
D. Musty to moldy, other objectionable	4-0		
<b>3. Maturity stage*</b> (max. 15). <i>Points column assumes economic evaluation; nutritional points are to left</i>			
A. Jointing to boot (nutritional=15-13)	7-11		
B. Head emergence; early to late (nutritional=12-8)	12-15		
C. Bloom; early to late (nutritional=7-2)	14-6		
D. Seed; green to ripe/shattering (nutritional=1-0)	5-0		
<b>4. Foreign material, dust, soil, rocks, stubble, weeds, &amp; non-crop species</b> (max. 20)			
A. Clean	20-16		
B. 1–5% &/or dusty (from soil or mold)	15-8		
C. >5% &/or injurious	7-0		
<i>*Also see noxious/poisonous/injurious in No. 7</i>			
<b>5. Forage texture &amp; condition</b> (max. 25)			
A. Texture; soft/pliable to tough/brittle	5-0		
B. Leaf concentration; leafy to leafless	4-0		
C. Seedhead & stem length; long to short	4-0		
D. Stem diameter; coarse to fine	4-0		
E. Leaf attachment; retained to detached	4-0		
F. Leaf & flake integrity; intact/cohesive to pulverized/loose	4-0		
<i>*Moldy/weathered/spoiled (penalty)</i>	<i>-1 to -25</i>	<b>-</b>	
<b>6. Color &amp; uniformity</b> (max. 15)			
A. Natural green of crop	15-11		
B. Light green to bleached to yellow	10-5		
C. Orange to brown to black/grey/white (moldy)	4-0		
<i>*Non-uniform; streaked/blotchy/brownleaf (penalty)</i>	<i>-1 to -4</i>	<b>-</b>	
<b>7. Penalties</b> (max. -100)			
A. <i>Noxious weeds/seeds, poisonous plants</i>	<i>-10 to -100</i>	<b>-</b>	
B. <i>Moisture % &gt;18 (small), &gt;16 (large) if untreated</i>	<i>-1 to -100</i>	<b>-</b>	
C. <i>Hessian fly hosts (cereals, wheatgrasses, etc.)</i>	<i>-0 to -100</i>	<b>-</b>	
D. <i>Injurious/objectionable not noted above</i>	<i>-1 to -100</i>	<b>-</b>	
<b>Total score</b>	100		