

# Texas Show Steer Breed Classification

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Classifying the breed of a show steer in Texas used to be easy. Only three British breeds were shown. Crossbreeding among them was rare and easily recognized, and only Brahman crosses were shown in Texas.

Today, there are as many as 16 breeds and breed-cross classes in Texas shows, among about 75 breeds of cattle in the United States that could contribute to the genetic makeup of a steer.

To an outsider or novice, placing a steer in a breed class might appear to be relatively simple. Just read the specifications for a class and then find an animal that meets the criteria—right? But it's a little more complicated than that. Consider, for example, the characteristics for a Hereford steer:

- Must physically exhibit breed characteristics of a purebred Hereford
- Red body with white face, white underline, and white-marked legs
- Feather neck
- Horned Herefords must show evidence of being dehorned

Factors that alone are not disqualifying but may in combination indicate non-Hereford genetics:

- Dark red color
- Red neck
- Solid red or solid white ear; must have some white on the back of both ears; ear size and shape are questionable
- Excess white on legs
- Excess white above the underline
- Eye pigment
- Black hair in tail, ear, or on rear end of animal
- Black spotting/smut or freckling on the nose
- Line back
- White above switch in tail
- White across rump above the twist

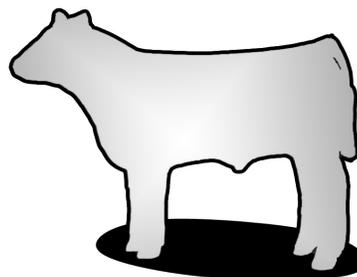
Absolute disqualifying factors:

- Diluter color pattern
- Brindles
- Double muscling
- Any color pattern other than red or white (birthmarks excluded)
- Solid red ear on the back side
- Extreme muscle definition (freakish)
- White off shoulder in the feather

These are all visual factors. So, eligibility for the class is determined *only* by visual appraisal, as evaluated by classifiers appointed by show management. Registration papers, breeder affidavits, or other paperwork are not considered.

Keep this in mind when selecting prospects. The word or opinion of a breeder, seller, adviser, friend, or enemy may be useful as a guideline. Even knowing the exact breeding of an animal is no guarantee, because genetics and visual appearance do not always match. The example shows that the class is not simply for Hereford steers but rather for steers that *appear* to be Hereford, in the classifiers' judgment. With this background, let's look at the descriptions for the various types and breeds.

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## ***British Type***

This group includes cattle that appear to be purebred Angus, Hereford, Polled Hereford, Red Angus, and Shorthorn.

### *Angus*

#### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Angus
- Solid black
- Polled
- Needs to have a tight sheath that is round and perpendicular to the ground
- *Angus*-type ear set, small to moderate ear size high on the head

#### **Discriminatory Breed Characteristics**

- Continental breed type structure (being coarse about his joints, not to be confused with big-boned cattle) and head (lower ear set between the top of the poll to the eye)
- Bumps where horns would be on a horned animal
- Birthmarks or white hair in the switch should be reviewed for the skin color (black skin color is acceptable; white or pink skin is a disqualification)
- *Non-Angus*-type ear set (excessive ear size and set as in Continental breeds)
- Large navels and angular sheaths

#### **Absolute Disqualifications**

- White skin resulting in white hair above the underline or in the front of the navel (white on the navel is acceptable)
- White skin resulting in white hair on the leg, foot, or tail
- Horns or scurs
- Brindle
- Diluter color pattern
- Dehorning scars
- Double muscling

### *Hereford*

#### **Ideal Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Hereford
- Red body with white face, white underline, and white-marked legs
- Feather neck
- Horned Herefords must show evidence of being dehorned

**Acceptable Breed Characteristics** (but not necessarily desirable; in combination may be discriminating)

- Dark red color
- Red neck
- Solid red or solid white ear; must have some white on the back of both ears; ear size and shape are questionable
- Excess white on legs
- Excess white above the underline
- Eye pigment
- Black hair in tail, ear, or on rear end of animal
- Black spotting/smut or freckling on the nose
- Line back
- White above switch in tail
- White across rump above the twist

#### **Discriminatory Breed Characteristics**

- Coarse joints, head, or ribs
- Straight-line white markings on legs
- White above the hocks, on the outside and back side of rear legs
- Excess pigment or color around the eyes
- Red neck in combination with excess white on legs

#### **Absolute Disqualifications**

- Diluter color pattern
- Brindles
- Double muscling
- Any color pattern other than red or white (birthmarks excluded)
- Solid red ear on the back side
- Extreme muscle definition (freakish)
- White off shoulder in the feather

## *Polled Hereford*

### **Ideal Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Polled Hereford
- Red body with white face, white underline, and white-marked legs
- Feather neck
- Must be polled or have loose scurs, only in the skin, no blood in the scur

### **Acceptable Breed Characteristics (but not necessarily desirable; in combination may be discriminating)**

- Dark red color
- Red neck
- Solid red or solid white ear; must have some white on the back of both ears; ear size and shape are questionable
- Excess white on legs
- Excess white above the underline
- Eye pigment
- Black hair in tail, ears, or on rear end of animal
- Black spotting/smut or freckling on the nose
- Line back
- White above switch in tail
- White across rump above the twist

### **Discriminatory Breed Characteristics**

- Coarse joints, head, or ribs
- Straight-line white markings on legs
- White above the hocks, on the outside and back side of rear legs
- Excess pigment or color around the eyes
- Red neck in combination with excess white on legs

### **Absolute Disqualifications**

- Diluter color pattern
- Brindles
- Double muscling
- Any color pattern other than red or white (birthmarks excluded)
- Solid red ear on the back side
- Extreme muscle definition (freakish)
- White off shoulder in the feather

## *Red Angus*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Red Angus
- Solid red with varying shades
- Polled
- A blond, light red, or mixed switch
- Black hair on the tail, muzzle, face, neck, and legs

### **Discriminatory Breed Characteristics**

- Coarse joints or head
- Bumps where horns would be on a horned animal
- Solid white switch

### **Absolute Disqualifications**

- Horns or scurs
- White above the underline or in front of the navel
- White on the leg
- Black pigmentation of the skin (having all three areas of black pigmentation: on the nose, around the eyes, and on the anus)
- Dehorning scars or evidence of dehorning

## *Shorthorn*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Shorthorn
- Solid red; solid white with red hair or red pigment on ear, muzzle, or tail; or any combination of red and white, with the red and white color pattern bleeding together

### **Discriminatory Breed Characteristics**

- Motley face or brockle face
- Orange or light red color
- Black nose pigment

### **Absolute Disqualifications**

- Diluter color pattern, such as yellow or yellow roan
- Blacks, blue roans, or grays
- Brindle
- Solid white with no red pigment on the ears, tail, or anus
- Double muscling

## ***Brahman Type***

This group is sometimes called American Breeds. Physical evidence of Brahman background is important (ear length and shape, amount of hide, and, most important, hump placement). Figure 1 provides a description of the sheath score system utilized in the guidelines.

### *American Breeds Cross*

#### **Acceptable Breed Characteristics**

- Any color or color pattern
- Progression of importance to include *Bos indicus*-influenced head, eye, ear of adequate length, slightly drooping and opening down and forward, and showing *Bos indicus* influenced sheath
- Crest or slick neck
- Sheath score of 2 or more and exhibiting *Bos indicus* influence
- With adequate *Bos indicus* head, eye, and ear characteristics; sheath score is of less importance

#### **Discriminatory Breed Characteristics**

- *Bos taurus* head
- *Bos taurus* short ear
- *Bos taurus* eye
- Sheath score of 1

#### **Absolute Disqualifications**

- A combination of a *Bos taurus* head, eye, and ear
- Without adequate *Bos indicus* head, eye, and ear characteristics, sheath score is irrelevant

## *Brahman*

#### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a 50% purebred Brahman
- A prominent hump beginning in the middle of the shoulder and going forward but must angle back down to the neck
- Any color or color pattern
- With adequate *Bos indicus* head, eye, and ear characteristics; sheath score is of less importance

#### **Discriminatory Breed Characteristics**

- Sheath score of 1

#### **Absolute Disqualification**

- A crest with an inadequate hump

## *Brangus*

#### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred black Brangus
- Solid black
- Progression of importance to include *Bos indicus*-influence head, eye, and ear of moderate length, slightly pointed, drooping and opening down and forward
- With adequate *Bos indicus* head, eye, and ear characteristics; sheath score is of less importance
- Shows some evidence of a crest

#### **Discriminatory Breed Characteristics**

- Scurs or slick spots
- Excessive, pendulous sheath
- Inadequate *Bos indicus*-influence head, eye, and ear characteristics
- Brown dilution over ribs, foreflank, twist and muzzle
- Sheath score of 1

#### **Absolute Disqualifications**

- Horns
- Dehorning scars
- White above the underline or in front of the navel
- White on the legs, feet, or tail
- Any brindle

## *Santa Gertrudis*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a 50% purebred Santa Gertrudis
- Any color or color pattern
- Moderate crest, no definite hump
- Moderate dewlap development
- Moderate length of ear, slightly drooping and opening forward
- Sheath score 2–5
- Not necessary to show predominant *Bos indicus* characteristics
- With adequate *Bos indicus* head, eye, and ear characteristics, sheath score is of less importance

### **Discriminatory Breed Characteristic**

- Straight, pendulous sheath
- Sheath score of 1
- Absence of *Bos indicus*-influence head, eye, ear, or sheath

### **Absolute Disqualification**

- Absence of any visible Santa Gertrudis characteristics

## *Simbrah*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Simbrah
- A sheath score of 2 or greater
- With adequate *Bos indicus* head, eye, and ear characteristics; sheath score is of less importance
- Stocking legs
- Bald, blaze, or streak face
- Diluter color pattern
- Solid black, red, light red, gray, smut, or yellow, or a combination of white with any of the previously listed colors
- Brindles

### **Discriminatory Breed Characteristics**

- A sheath score of 1
- A *Bos taurus* head
- A *Bos taurus* ear
- A *Bos taurus* eye
- Mottled face

### **Absolute Disqualifications**

- A combination of a *Bos taurus* head, ear, eye, and sheath
- Roans

## ***Continental or Exotic Type***

Included here are Charolais (half-blood and higher), Chianina (predominant), Limousin (half or higher), Maine-Anjou (half or higher), and Simmental (purebred). At the San Antonio Stock Show and Rodeo and the Houston Livestock Show and Rodeo there are separate classes for these five Continentals, as well as a class for Other Breeds and Crosses, which includes all breeds not already discussed as well as steers classified out of any of the above. At Fort Worth, Dallas, and many smaller shows, all Continentals—and any other steer that is not purebred British or American breed or cross—are shown together.

There are no specific physical requirements for any of these Continental classes except that they show evidence of the breed in which they are entered. Depending on the breed, it can be difficult to classify these classes, because most may contain at least one-half of any other breed or combination breed.

### *Charolais*

#### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a 50% purebred Charolais
- White, yellow gray, or silver (moderate dappling allowed)
- Expression of diluter gene
- Painting or spotting less than 20%
- Skunk tail, line back, baldy

#### **Discriminatory Breed Characteristics**

- Excessive painting or spotting (over 20%)
- Double muscling
- Brindles
- Frail bone work and frail general appearance
- Light red color or orange
- Short, stubby head
- Overly refined, narrow head
- Excessive dark pigmentation (eyes, nose, ears, and anus)
- Excessive dappling

#### **Absolute Disqualifications**

- Black, red, dark smuts
- Showing no diluter gene, unless solid white

### *Chianina*

#### **Acceptable Breed Characteristics**

- Must exhibit Chianina influence in head (ear, eye, and nose) and skeleton
- Any shade of black, red, gray, or yellow
- Brindles, baldies, blaze faces, and motleys
- Head tends to be narrow thru the center part of the skull and exhibits a longer muzzle
- Muscle conformation tends to be smooth, not coarse or excessively round
- Skeleton tends to be lighter and smoother jointed

#### **Discriminatory Breed Characteristics**

- Coarse joints or skeleton
- Excessive spotting above the underline

#### **Absolute Disqualification**

- Appears to be a purebred of any other breed

## *Limousin*

### **General Breed Characteristics**

- Head
  - Eye – Deeper socket, prominent brow, light pigment around eye on reds
  - Poll – Tends to be wider
  - Ear – Tends to be smaller
  - Muzzle – Tends to be short
- Sheath
  - Tend to have a forward angle
- Legs/foot
  - Tend to be not heavy-boned
  - Tend to be flat boned

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a 50% purebred Limousin
- Solid black, red, light red, charcoal black, yellow, blond
- Bald face
- Smooth joints and skeleton

### **Discriminatory Breed Characteristics**

- Coarse joints, skeleton, and head
- Stocking legs
- Brindle
- Spotting above the underline
- Roans
- Pencil sheath, hanging straight down
- Pointed poll
- Tends to not have an excessive crest

## *Maine Anjou*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a 50% purebred Maine Anjou
- Spotted, solid black, or red
- White stocking legs, white underline, and spotting above the underline and on the face
- Heavy skeletal structure

### **Discriminatory Breed Characteristics**

- Brindle
- Roan
- Diluter color pattern

### **Absolute Disqualification**

- Appears to be more than 50% any other breed

## *Simmental*

### **Acceptable Breed Characteristics**

- Must physically exhibit breed characteristics of a purebred Simmental
- Larger, longer head
- Larger ear, lower set
- Solid black, red, light red, red and white, yellow and white, black and white
- Painting or spotting above the underline
- Stocking legs
- Bald, blaze, or streak face

### **Discriminatory Breed Characteristics**

- Skunk tail
- Double muscling
- 40% or more white above the underline
- Diluter color pattern around the eyes and muzzle
- Monkey mouth
- Diluter color patter
- Smut or gray

### **Absolute Disqualification**

- Brindle
- Roans

## ***Classification Glossary***

**American breeds.** Breeds created in the United States by interbreeding existing breeds, including at least one tropically adapted breed (most often American Brahman).

**Bald face.** Appearance when white covers most of the face.

**Blaze or streak face.** A wide strip of white down the face to the muzzle.

***Bos indicus*** (zebu). Subspecies of cattle originating in south Asia; has a prominent hump on top or in front of shoulder.

***Bos taurus*.** Subspecies of cattle; originated in west Asia but is usually called European.

**Brindle.** A streaking of black, brown, or white on the body of the steer (tiger stripe).

**British/English.** Cattle originating in the British Isles; Angus, Hereford, and Shorthorn are most numerous in the United States.

**Brockle or motley face.** Red or black spotting on a white or bald face.

**Continental.** Breeds originating in Continental Europe; sometimes called European or Exotic.

**Diluter gene.** A gene that determines color. Cattle that carry both copies of the gene will appear white. Non-diluter cattle will appear black or dark red, whereas those carrying a single diluter gene will appear gray or yellow.

### **Discriminatory Breed Characteristics.**

Characteristics that are not reason for absolute disqualification but in combination with other discriminatory visual characteristics could lead to disqualification.

**Horned.** Horns are solidly attached to the skull with blood circulation in tips, or there is evidence of dehorning.

**Painting.** Large white markings covering a major portion of the steer.

**Pigmentation.** Dark skin coloring on the points of the steer (eyes, nose, ears, anus, tail).

**Polled.** Naturally hornless.

**Purebred.** Showing visual characteristics of a particular breed and none of any other breed.

**Scurs.** Horny tissue or rudimentary horn attached to skin but not the skull with no blood circulation in the tips.

**Sheath score.** Scoring system from 1 to 5 based on the length of the sheath (1 = little sheath; 5 = excess sheath). See Figure 1 for photos.

**Smut.** Dark gray color pattern.

**Spotting.** White spots on the steer.

## ***Summary***

In the commercial beef industry, most cattle are sorted by visual characteristics into numerous groups for marketing purposes. Similarly, during livestock shows, participating steers are sorted into breed classes based on visual characteristics. As you can see, in most classes there are generally few factors that will absolutely disqualify an animal, and those are usually easily identified. Instead, most disqualified animals have more than one subjectively evaluated discriminatory characteristic.

Steers should be selected and shown based only on their visual appearance because that is how they will be evaluated for classification. Remember that classifiers are asked to exercise their judgment. If your steer is classified out, it doesn't mean that the classifier or anyone else is accusing you of lying, cheating, or being unethical. Nor does it mean that the steer cannot be the breed you say it is. Look at breed classification as the first stage of judging. Don't be too upset if the classifier makes (or you think he or she has made) a mistake. It's all a matter of judgment.

Figure 1. Sheath Scores



Score 1



Score 2



Score 3



Score 4



Score 5