

## **ICHO Limited Breeding option for S (Smooth Coat) Division horses**

**S Division**- Smooth Coated Curly horses, not showing a curly coat, are registered in ICHO as Curly pedigreed horses that have Curly coated D (dominant gene/s) horses in their pedigree and at least one Curly coated D parent. It has come to our attention through the years that sometimes horses that look smooth coated can occasionally pass on curls when bred to other breeds or another smooth coat of Curly pedigree. It could be we are missing some subtle coat expressions and some horses may look smooth coated but may have some genetics to pass on curls. We would like to allow limited breeding of S division horses to each other and other breeds so we can study the results of the coat type in the offspring. We are allowing two generations of Smooth Coat breeding that are eligible for registration in the S division labeled as Smooth Bred (SB). The original purpose was to gain study evidence of what a smooth coated horse in the S Division can actually produce for coat type when bred to each other or another breed.

Continued allowance of Smooth Coat breeding is because even though some Coat genes have been isolated, SP6 and KRT25, there are other Curly Coat genes unidentified in the Curly Coated population. The importance of Smooth Coats used to breed to homozygous Curly horses and also the unknown Curly genes yet identified, give Smooth Coats a special place in Curly breeding programs. We value Smooth Coats because they often are hypoallergenic and often inherit that lovely curious Curly temperament.

### **Requirements:**

1. S and SB1 (first generation smooth bred) breeding's will require the S or SB1 parent and offspring be DNA typed so we can verify Curly pedigrees. All S registered or horses eligible for S division are accepted for breeding with NO known recessive curly's or carriers in the pedigree. We do not want to risk breeding recessive curly coats to study these horses. When breeding to other breeds, the other breed must be registered and the breed and registration number listed.

2. Breeding chart allowed for registration:

S x S = SB1 (First generation Smooth coat bred)

S x other registered straight coated horse = SB1 (First generation Smooth coat bred)

SB1 x SB1 = SB2 (second generation Smooth coat bred)

SB1 x S = SB2 (second generation Smooth coat bred)

SB1 x other registered straight coated breed= SB2 (second generation Smooth coat bred)

SB horses will be registered under the S Division with letters that denote their breeding generation of SB1 or SB2. [Example\_ "Raspberry Smoothie 3552- SB2", this will show the horse is Smooth Bred and has a smooth coat and is the second generation of being Smooth Bred. ]

SB2 horses must breed back to D (curly coated) for their offspring to be eligible for registration.

SB2 horses DO NOT have breeding rights in the S division. SB2 x D = D if curly coated or S if smooth coated offspring.

If any horse is produced with a full curly coat, they will be registered in the appropriate curly division.

***ICHO/NACHR reserves the right to approve/deny any S x S or S x other registered breed offspring based on pedigree (lack of D horses) or if known recessive curly horses exist in the pedigree that horse will be excluded from registration unless gelded or spayed. Only SB horses that can prove parentage through DNA testing will be considered for registration.***

***ICHO reserves the right to modify or discontinue the breeding of Smooth coat Bred horses for study purposes once results have been gathered or more genetic tests for the curly coat are available.***

The breeding of Smooth coats is for study and continued research on the dominant Curly coated horse.

See photos below:

## First Generation S Bred = SB 1

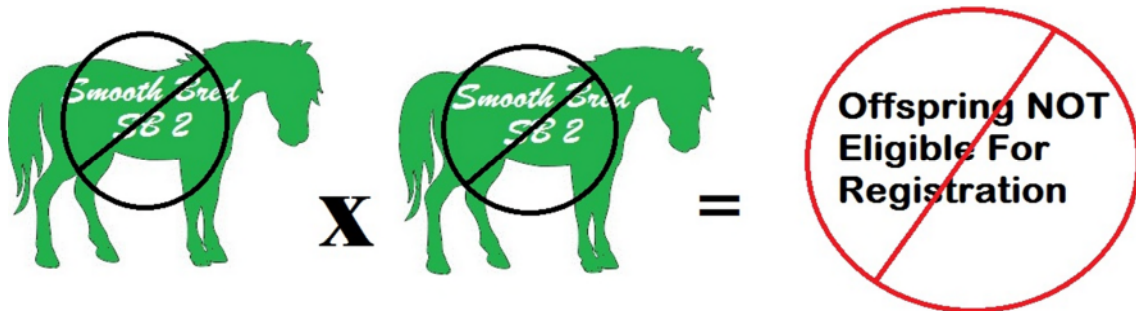


SB1 horses can be bred back to D division Curly horses SB1 x D = offspring registered D if Curly coated or S if smooth coated. See below for second generation SB1 breeding. Other straight haired breeds must be registered and the breed and registration number provided.

## Second Generation S Bred= SB 2



**SB 2 generation horses must be bred back to D Division Curly coated horses for their offspring to be registered. SB 2 cannot be bred to each other for offspring registration.**



SB2 x other breed= Offspring NOT eligible for registration  
SB2 x S= Offspring NOT eligible for Registration

Only SB2 x D Curly coated horse is allowed for offspring to be registered. Offspring if Curly will be D, if smooth coated S.