



Gibbs Cattle Co - Harrison, Nebraska

# Headquarters for Heterosis

**Crossbred cows producing Composite sired calves provide a 23.3% Improvement in Pounds of Weaned Calf per cow exposed over straight bred cows and calves!**

—USDA Meat Animal Research Center

**Nichols Hybrids and Composites** are the result of crossing two or more pure lines in specific crosses to maximize the best traits of the grandparent lines. All Nichols lines are black and polled.

A Composite bull's heterosis (cross bred vigor) is

transmitted to his offspring. Plus, his calves are more uniform in type, performance, and carcass characteristics than back crossing purebreds.

Virtually all poultry, swine, and grain genetics are the result of systematic composite breeding.

## PURE LINES

### **AN = PUREBRED ANGUS**

—100% British

### **SM = PUREBRED SIMMENTALS**

—100% Continental

### **DS = PUREBRED SOUTH DEVON**

—100% British

**note:** \*These pedigrees are examples. Nichols Composites' sires and dams may be reciprocal crosses. This does not effect their breed %, performance, phenotype, quality, carcass traits, or transferable heterosis.

## F-1 HYBRIDS

### **SX1 = PB ANGUS by PB SIMMENTAL**

Nichols PB Angus

Nichols SX1

Nichols PB Simmental

—\*50% British - 50% Continental

### **DX1 = PB SOUTH DEVON by PB ANGUS**

Nichols PB South Devon

Nichols DX1

Nichols PB Angus

—\*100% British

## F-2 COMPOSITES

### **DSX2 = DX1 by SX1**

Nichols PB South Devon

Nichols DX1

Nichols PB Angus

Nichols DSX2

Nichols PB Angus

Nichols SX1

Nichols PB Simmental

—\*75% British - 25%Continental