

November 6, 2014

AGRONOMY 38

Confinement/Exclusion Fence

The attached information will be helpful in the construction of Fences in areas where damage to property or livestock, injury or loss of life is possible. Critical areas include: fences along property lines, near roads, all perimeter fence in pasture, or adjacent to environmentally sensitive and/or hazardous areas. See Table I for the MINIMUM criteria for critical confinement fences.

For non-critical areas are areas where a lower level of confinement or exclusion is acceptable, such as divisional fences in pastures (either permanent or non-permanent) and other light duty fences. See Table II for the MINIMUM criteria for non-critical confinement fences.

CRITICAL CONFINEMENT/EXCLUSION FENCE

**TABLE I: Critical Confinement/Exclusion Fences
Minimum Height and Strand Spacing for Permanent Fence Types**

	<u>Non-Electric High Tensile Smooth Wire</u>	<u>Woven Wire</u>	<u>Barbed Wire</u>	<u>Wooden Board</u>	<u>Electric High Tensile Smooth Wire</u>
Goats, Kids, Sheep, Lambs, Alpaca, Llama	Minimum 7 strands, spaced at 4, 10, 16, 22, 28, 34 and 40 inches above the ground	5 horizontal woven wires placed a minimum of 40 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 4 strands, spaced at 10, 16, 22 and 36 inches above the ground	Not recommended	Minimum 5 strands (3 electrified) – spaced at 6, 12, 20, 28 and 36 inches above the ground
Hogs	Not recommended	5 horizontal woven wires placed a minimum of 35 inches high, plus one additional wire (either barbed or electrified smooth) at the bottom.	Not recommended	Not recommended	Minimum 5 strands with 2 electrified – spaced at 6, 12, 20, 28 and 36 inches above the ground
Humans	Minimum 5 strands, spaced at 10, 20, 30, 40 and 50 inches above the ground	5 horizontal wires placed a minimum of 48 inches high	Minimum of 5 strands, spaced at 6, 12, 20, 28 and 36 inches above the ground	Not recommended	Minimum 4 strands (2 electric) spaced at 10, 22, 34, and 46 inches above the ground
Horses and Foals	Horses Only Minimum 4 strands, spaced at 10, 22, 34, and 46 inches above the ground Horses w/foals Minimum 5 strands, spaced at 10, 20, 30, 40 and 50 inches above the ground	5 horizontal woven wires placed a minimum of 48 inches high, plus at least one additional electrified smooth wire no more than 3 inches above the top of the woven wire	Not recommended	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 in centers, bottom board @ 16" above the ground 3 board fence – top board @ 48" above the ground 4 board fence – top board @ 64" above the ground	Horses only (no foals) Minimum of 3 strands, all electrified, spaced at 30, 40 and 50 inches above the ground With Foals Minimum of 5 strands, all electrified, spaced at 10, 20, 30, 40 and 50 inches above the ground
Beef Steers, Cows and Calves	Minimum 5 strands, spaced at 10, 20, 30, 40 and 50 inches above the ground	5 horizontal woven wires placed a minimum of 48 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 3 strands, spaced at 10 to 17, 20 to 27 and 32 to 38 inches above the ground	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 in centers, bottom board @ 16" above the ground 3 board fence – top board @ 48" above the ground 4 board fence – top board @ 64" above the ground	Minimum of 3 strands (all electrified), spaced at 18, 30 and 42 inches above the ground Or a minimum of 4 strands (only 2 electrified), spaced at 10, 22, 34 and 46 inches above the ground
Dairy Cows and Heifers	Minimum 5 strands, spaced at 10, 20, 30, 40 and 50 inches above the ground	5 horizontal woven wires placed a minimum of 48 inches high, plus one additional wire (either barbed or electrified smooth) no more than 3 inches above the top of the woven wire	Minimum of 3 strands, spaced at 10 to 17, 20 to 27 and 32 to 38 inches above the ground	Minimum of 3 and a maximum of 4 boards. Boards spaced on 16 in centers, bottom board @ 16" above the ground 3 board fence – top board @ 48" above the ground 4 board fence – top board @ 64" above the ground	Dairy Cows only - Minimum 2 strands (2 electrified), spaced at 20 and 34 inches above the ground With Heifers – Minimum of 3 strands (all electrified), spaced at 18, 30 and 42 inches above the ground

Additional Criteria for Non-Critical Areas

Table II – Non Critical Confinement Fences		
<u>Type of Livestock</u>	<u>ELECTRIC Number of Strands</u>	<u>NON ELECTRIC Number of Strands</u>
Mature Horses, Beef and Cows	Minimum 1 strand	Minimum 3 strands/boards or woven
Horses with Foals, Heifers and Cows with Calves	Minimum 2 strands	Minimum 4 strands/boards or woven
Hogs	Minimum 2 strands	Woven
Goats and Kids, Sheep and Lambs, Alpaca, Llama	Minimum 3 strands	Minimum 4 strands/boards or woven

Table II Note: Electric fence materials for non-critical confinement may consist of high tensile smooth wire, electro plastic twine (polywire), electrified ribbon, or other materials as specified by the manufacturer.