

## Inactivation of PRRSV and PEDV by UVZone Shoe Sanitizing Station

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Table 1. Inactivation of PRRSV on polyblend boot material

	Log10 virus titer boot control	Log10 virus titer boot treatment	% inactivation after 8 seconds of exposure
Coupon 1	<b>4.83</b>	<b>1.50</b>	<b>99.95</b>
Coupon 2	<b>4.83</b>	<b>1.50</b>	<b>99.95</b>
Coupon 3	<b>4.83</b>	<b>1.50</b>	<b>99.95</b>
Coupon 4	<b>5.50</b>	<b>1.50</b>	<b>99.99</b>
Average	<b>4.99</b>	<b>1.50</b>	<b>99.96</b>

Table 2. Inactivation of PEDV on polyblend boot material

	Log10 virus titer boot control	Log10 virus titer boot treatment	% inactivation after 8 seconds of exposure
Coupon 1	<b>4.50</b>	<b>2.16</b>	<b>99.54</b>
Coupon 2	<b>4.50</b>	<b>2.83</b>	<b>97.86</b>
Coupon 3	<b>4.83</b>	<b>2.50</b>	<b>99.53</b>
Coupon 4	<b>5.50</b>	<b>2.50</b>	<b>99.90</b>
Average	<b>4.83</b>	<b>2.50</b>	<b>99.53</b>

### Conclusions:

1. Greater than **99%** of the **PRRSV** is inactivated on polyblend materials.
2. Greater than **99%** of **PEDV** is inactivated on polyblend material.