

North Carolina Department of Agriculture



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Foam Technology Standard and Considerations

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Performance Standard Adopted by USDA provides:

**Guidelines for evaluating any
water based foam or foam delivery
system**

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Applications:

Floor Raised Poultry

**Other Bird Species for Which the
Foam Technology Can be shown
to Work Effectively**

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Minimum Requirements :

Readily Available

Perform Dependably

Environmentally Safe

Biodegradable

Compatible with Disposal

**Non-irritating as Possible
Safe for Humans**

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Additional Requirements :

**Appropriate Foam Consistency
and Density to Create Rapid and
Complete Airway Occlusion**

**Bubble Size Should Not Exceed
0.625” in Diameter for Poultry**

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Additional Requirements :

**Fluid Enough –
(Expansion Rate)**

**To Engulf Building Supports and
Similar Obstructions.**

**To Surround Birds Without
Cavitation**

**Have a Readily inspirable
Consistency**

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Additional Requirements :

**Capable of Accumulating to a
Depth of at Least 6” Above the
Maximum Height of the Target
Species With Minimal Disturbance
to the Birds**

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Additional Requirements :

**Must be Producidle with the Type,
Quantity, and Quality of Water
Available**

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Additional Requirements :

**Foam Must Have a Residency Time
of at Least 30 Minutes**

**Perform Dependably in
Temperatures from 32 F to 110F
And 10% to 100% Humidity**

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Additional Requirements :

**Must Render Death to at Least 95%
of Target Birds Within 7 Minutes of
Complete Coverage by Foam**

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Additional Requirements :

**Equipment Must be Capable of
Repetitive Cleaning and
Decontamination**

**Equipment Must be Compatible
With Various Structures and
Layouts**

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Additional Requirements :

Easily Maintained and Serviced

Readily Transported

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Basic Objective :

**Dependable, Repetitive, Complete
Depopulation of Target Animals
with Minimal Safety and Health
Risk to Personnel Carrying Out
Task**

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