Agricultural Livestock Pest Control	
Federal category for commercial applicators	
Are any existing manuals/exams available?	The online purchase of hardcopy manuals is available from most states. CA & MN mentioned on the survey that they would be willing to share and should be contacted.
Research notes: - Anything identified in the AAPCO survey? - What did you find online? - What did you learn contacting others?	Summary of findings: • AAPCO survey, 31% said they needed to update study materials; 45% said they might need to update them and 20% said that they did not need to update them • Most states have a separate Ag Pest category for animals, but there are a few states that lump in in as an Ag Pest Control (Animal & Plant). • Category is primarily commercial, but some states have Private Applicator categories for plant & animal • Subcategories are common depending on the prevalent agricultural animals in that state. • Many states offer online sales of hardcopy manuals, but few offer pdf or an electronic option.
How many states/tribes use this category?	This is a federal category, so it's required in all approved certification plans. If the specific category name isn't used by a state, they must ensure that the competencies are met through testing in whatever state specific category is used for those applications.
How national, regional, or local is the training material likely to be, for this category? For example, would you expect the training material to be similar in each state, or tailored to local pests/conditions?	• A large part of the study material would likely be very similar nationally for this category. • Though the bulk of the national study material would be the same, there will need to be addendums made regionally due to certain animals having regional importance

How is the category lumped with other categories and/or split into several categories?	Agricultural Pest control (Animal & Plant) is lumped together in AK, AZ, IN, LA & ND. All other states have separate Ag. animal and Ag. Plant categories.
	• Specific types of animals with localized importance to a state can be handled as a subcategory
	• Common examples of these locally important subcategories under Ag. Animal;
	  ○ Dairy/Livestock
	  ○ Poultry
	  ○ Apiary
	  ○ Small/Companion animals (Pet groomers)

The new competencies are described in 40 CFR Part 171.103(d)(1)(ii)	***Livestock pest control.*** Applicators must demonstrate practical knowledge of such animals and their associated pests. The required knowledge includes specific pesticide toxicity and residue potential, and the hazards associated with such factors as formulation, application techniques, age of animals, stress, and extent of treatment.

Are there emerging regulations or science in this area?	• EPA's decisions on the Rodenticide PID
	• Disinfectants-biosecurity as it relates to HPAI, Chronic Wasting disease, African Swine Fever, etc.
	• States that license beekeepers have specific issues;
	  ○ Varroa mite
	  ○ Small hive beetle
	  ○ Viruses spread by Varroa mites

Are there opportunities to reduce duplication of effort?	• Utilizing CTAG's webinars to determine if other programs are interested in collaborating • Visiting the PSEP IMI site, if you're a PSEP and taking advantage of the information available there
Are there critical items or methods needed to ensure accuracy/quality? Are there tripping hazards on the path to adopting the new/revised manual?	The variety of pests/diseases facing the many types of livestock makes it difficult to create a manual that will not need revising relatively quickly. The changing regulations surrounding apiary pesticides might result in revisions if specific product information is included.
Category required for applicators as described in 40 CFR Part 171.103(a)(2)	***Livestock pest control.*** This category applies to commercial applicators who use or supervise the use of restricted use pesticides on animals or to places on or in which animals are confined.
Need or interest for workgroups?	Yes, a few states are planning on revising in the near future (AZ, ID, VT) and others would be willing collaborate as well.
Interested parties:	Jennifer Weber — jennyweber@arizona.edu Dana Beegle — dbeegle@vt.edu Sara Liming — sara.liming@ks.gov Amanda Couture — amanda.couture@maine.gov Sherman Takatori — sherman.takatori@isda.idaho.gov Dan Wixted — djw47@cornell.edu
Researched/summarized by CTAG member John Feagans	

Summary (1-3 paragraphs):
This seems to be a category where several programs area considering new manuals. With 45% considering it and 31% planning to update their existing manuals, this seems to be a good place to consider a collaboration.