# BIOSECURITY Training Manual for Poultry Workers

How to protect birds from Avian Influenza , exotic Newcastle disease and other contagious diseases.

Produced by:

A cooperative effort of the

United States Department of Agriculture (USDA) and the
California Department of Food and Agriculture (CDFA)
1-866-922-BIRD (2473)

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To report sick/dead birds call toll free...State Bird Hotline

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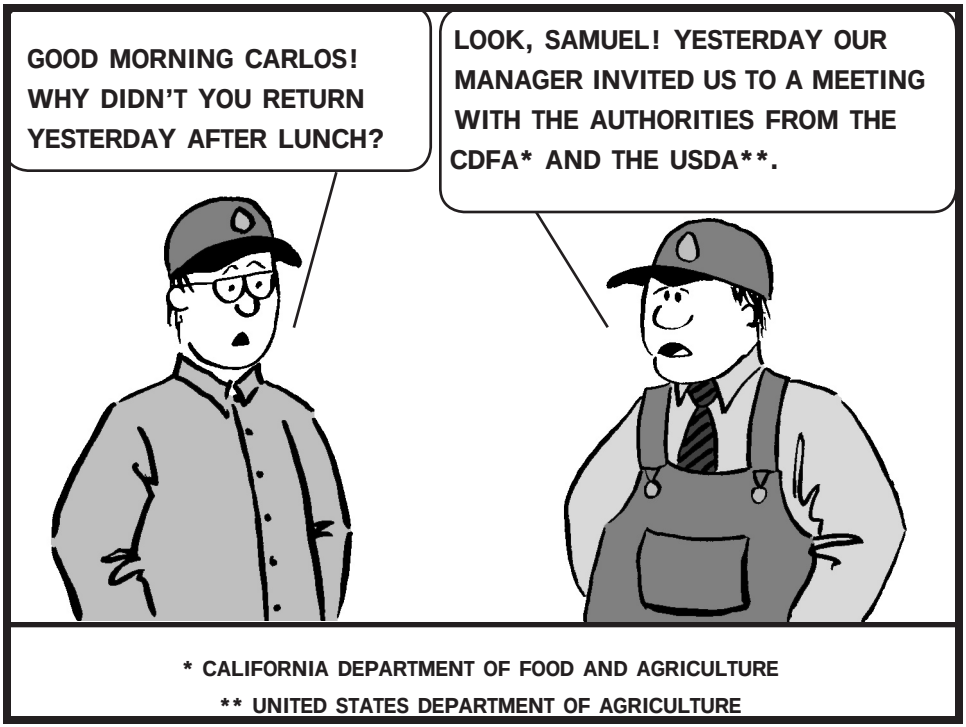
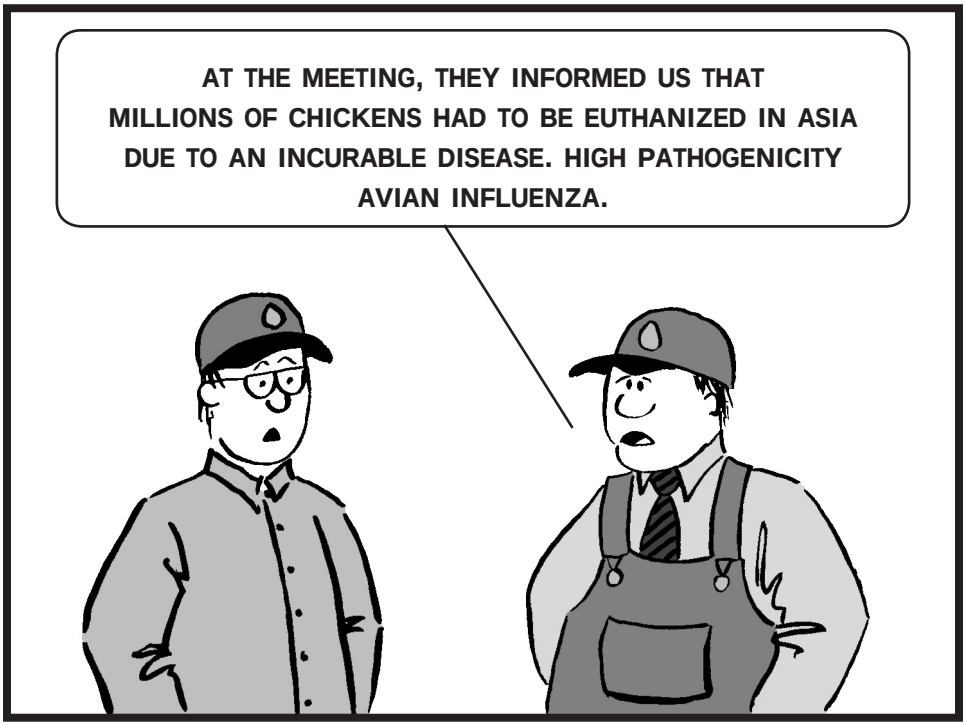
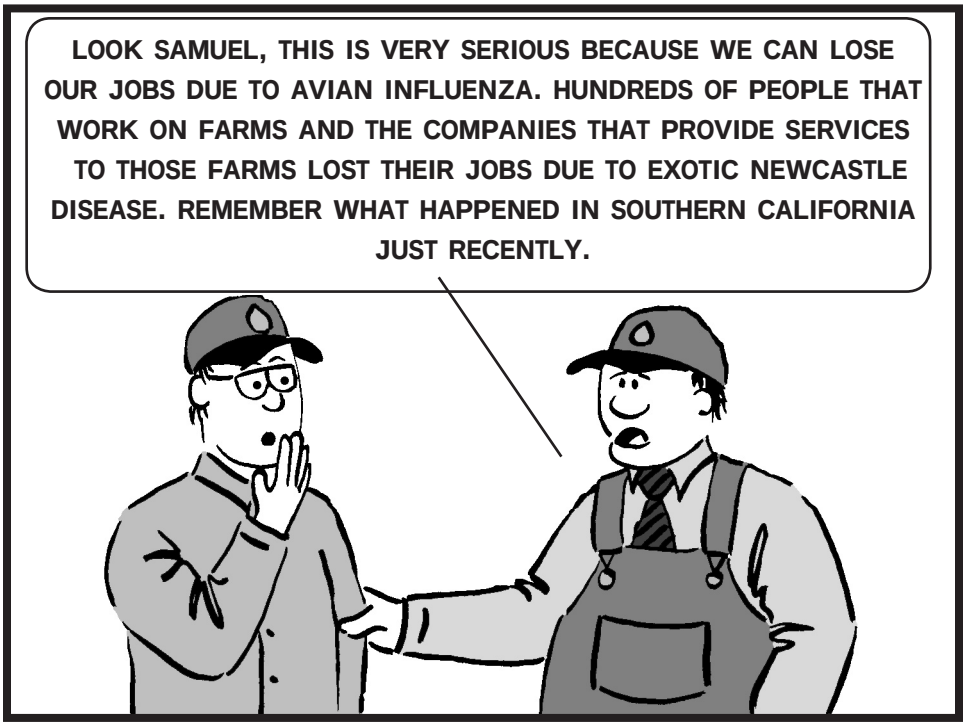
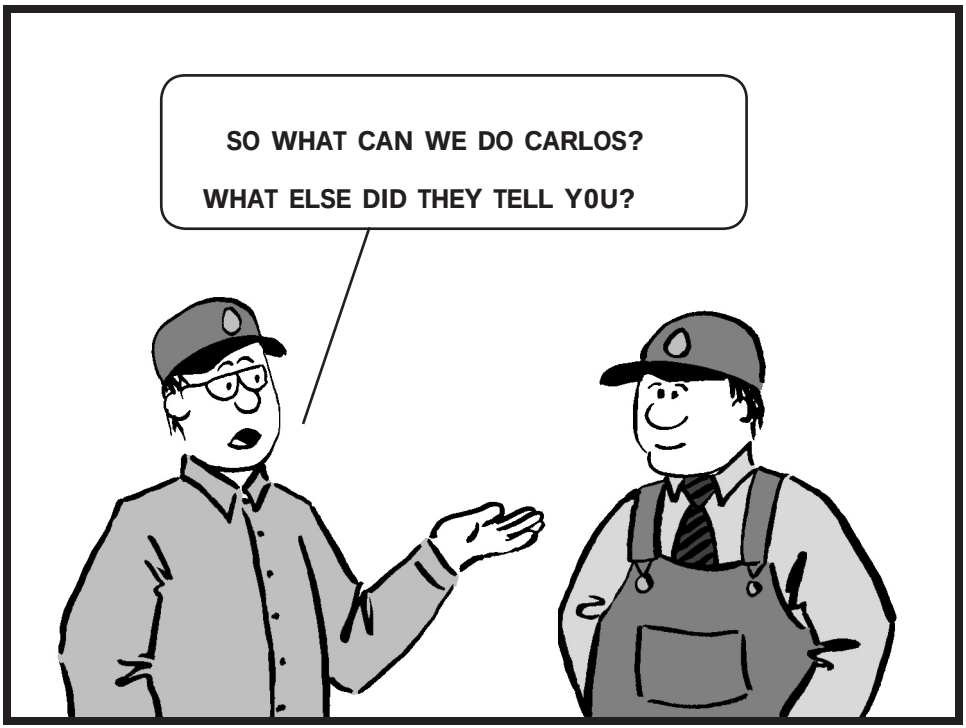
# "Returning to work one day"

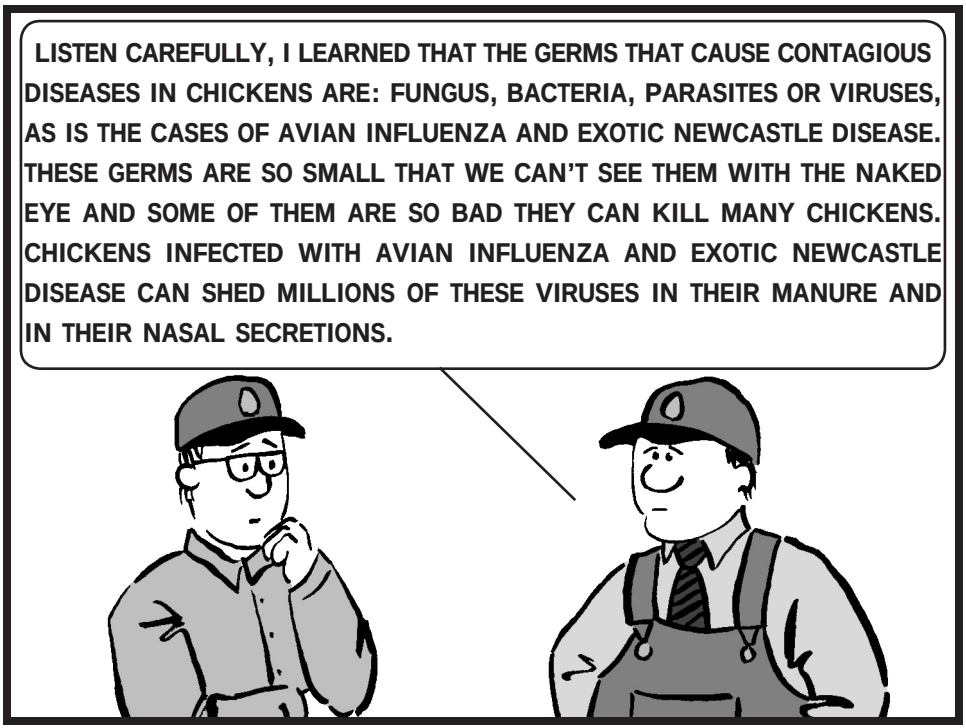



AT THE MEETING, THEY INFORMED US THAT MILLIONS OF CHICKENS HAD TO BE EUTHANIZED IN ASIA DUE TO AN INCURABLE DISEASE. HIGH PATHOGENICITY AVIAN INFLUENZA.

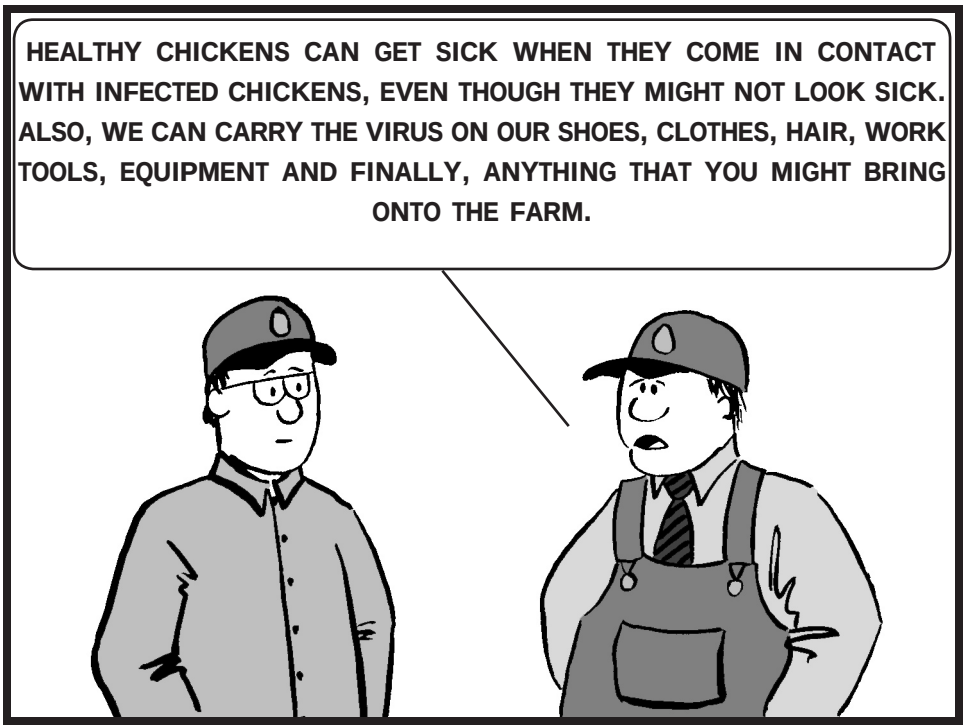

LOOK SAMUEL, THIS IS VERY SERIOUS BECAUSE WE CAN LOSE OUR JOBS DUE TO AVIAN INFLUENZA. HUNDREDS OF PEOPLE THAT WORK ON FARMS AND THE COMPANIES THAT PROVIDE SERVICES TO THOSE FARMS LOST THEIR JOBS DUE TO EXOTIC NEWCASTLE DISEASE. REMEMBER WHAT HAPPENED IN SOUTHERN CALIFORNIA JUST RECENTLY.

DON'T TELL ME THAT! I CAN'T LOSE MY JOB BECAUSE I HAVE LOTS OF FAMILY RESPONSIBILITIES AND A HOUSE PAYMENT: BESIDES I LIKE WORKING HERE.

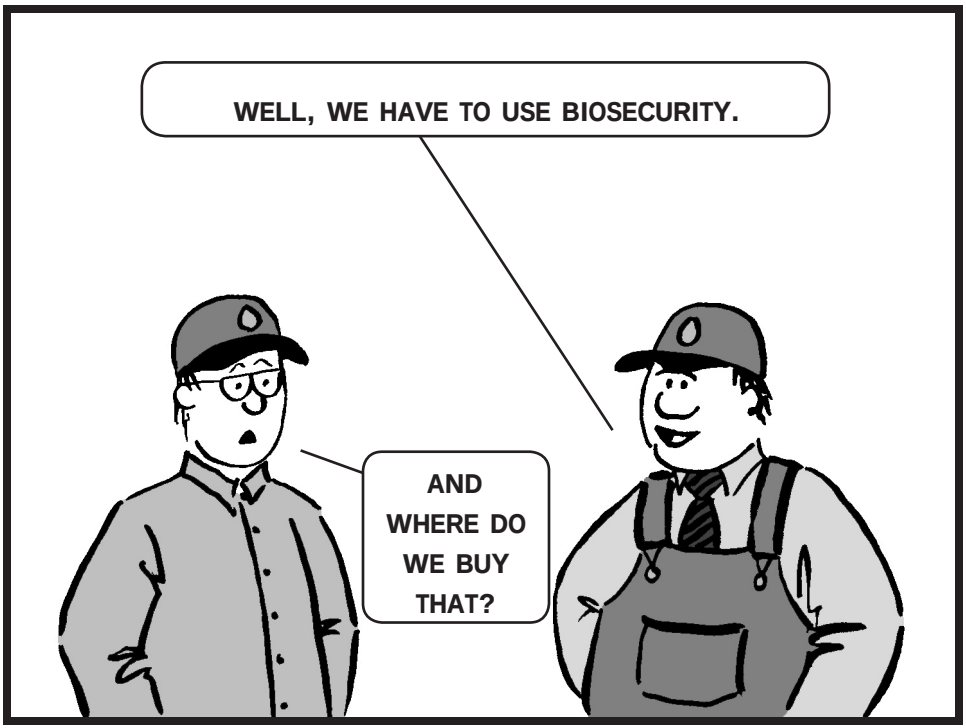

SO WHAT CAN WE DO CARLOS?
WHAT ELSE DID THEY TELL Y0U?

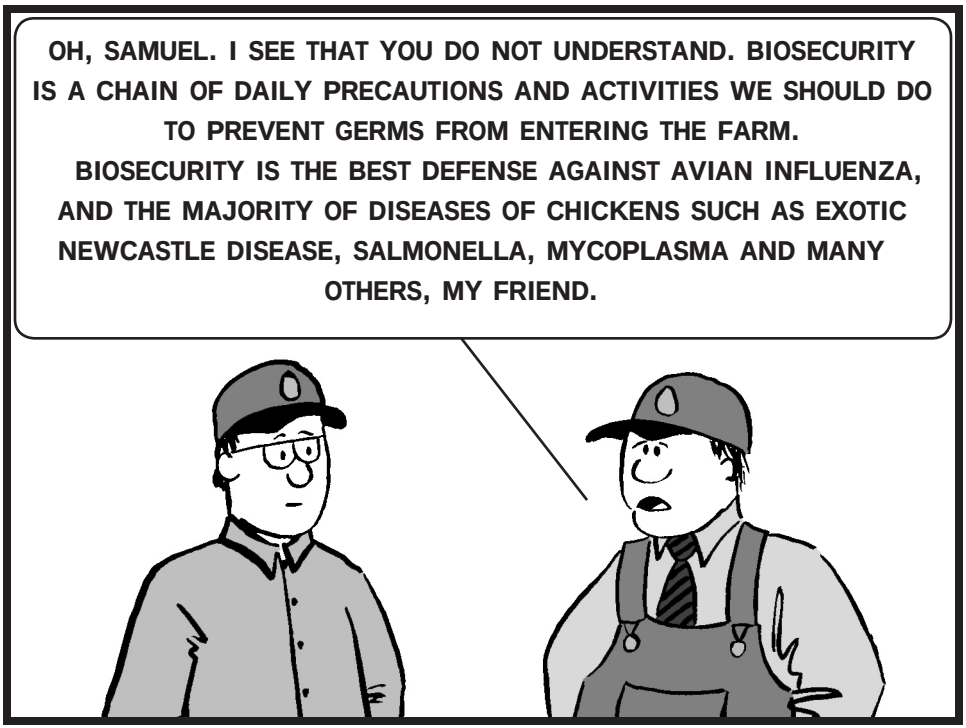

LISTEN CAREFULLY, I LEARNED THAT THE GERMS THAT CAUSE CONTAGIOUS DISEASES IN CHICKENS ARE: FUNGUS, BACTERIA, PARASITES OR VIRUSES, AS IS THE CASES OF AVIAN INFLUENZA AND EXOTIC NEWCASTLE DISEASE. THESE GERMS ARE SO SMALL THAT WE CAN'T SEE THEM WITH THE NAKED EYE AND SOME OF THEM ARE SO BAD THEY CAN KILL MANY CHICKENS. CHICKENS INFECTED WITH AVIAN INFLUENZA AND EXOTIC NEWCASTLE DISEASE CAN SHED MILLIONS OF THESE VIRUSES IN THEIR MANURE AND IN THEIR NASAL SECRETIONS.

YOU DON'T SAY!
YES! AND FURTHERMORE, THEY EXPLAINED TO US HOW RESISTANT THESE GERMS ARE AND HOW EASY IT IS TO CARRY THEM FROM ONE PLACE TO ANOTHER.


HEALTHY CHICKENS CAN GET SICK WHEN THEY COME IN CONTACT WITH INFECTED CHICKENS, EVEN THOUGH THEY MIGHT NOT LOOK SICK. ALSO, WE CAN CARRY THE VIRUS ON OUR SHOES, CLOTHES, HAIR, WORK TOOLS, EQUIPMENT AND FINALLY, ANYTHING THAT YOU MIGHT BRING ONTO THE FARM.

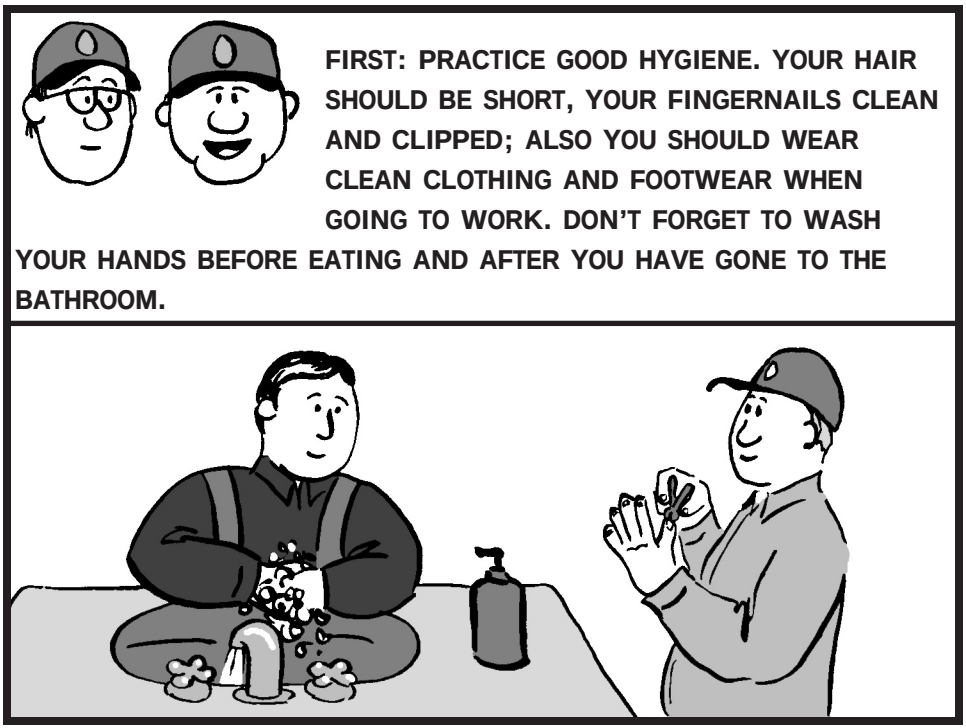
HOW AWFUL! SO WHAT CAN WE DO?
LIKE I TOLD YOU. I CANNOT LOSE MY JOB.


WELL, WE HAVE TO USE BIOSECURITY.
AND WHERE DO WE BUY THAT?

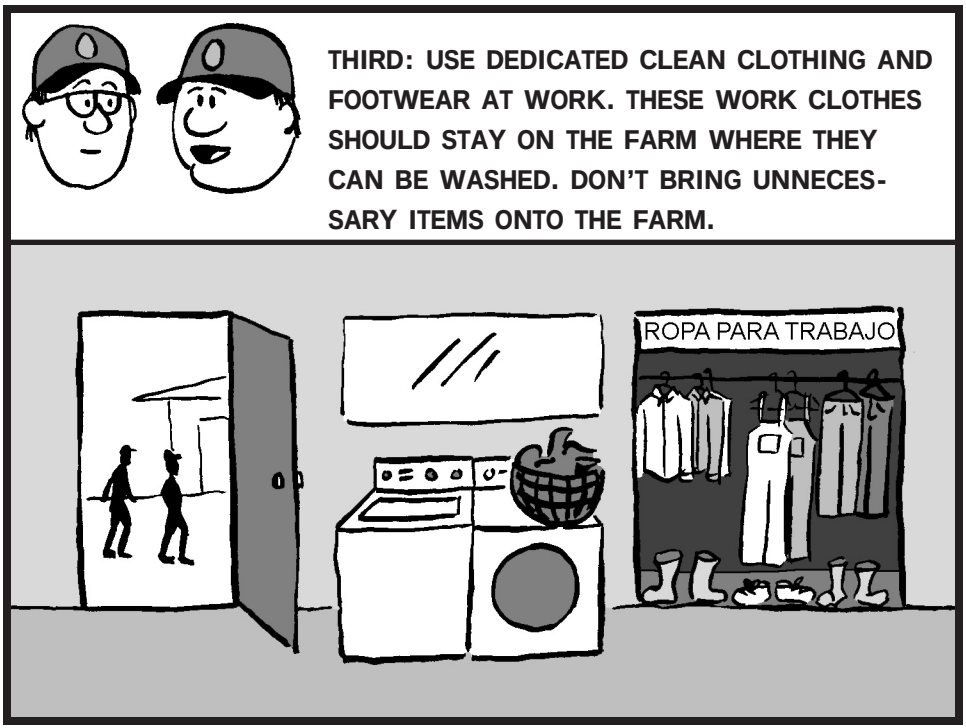

OH, SAMUEL. I SEE THAT YOU DO NOT UNDERSTAND. BIOSECURITY IS A CHAIN OF DAILY PRECAUTIONS AND ACTIVITIES WE SHOULD DO TO PREVENT GERMS FROM ENTERING THE FARM.
BIOSECURITY IS THE BEST DEFENSE AGAINST AVIAN INFLUENZA, AND THE MAJORITY OF DISEASES OF CHICKENS SUCH AS EXOTIC NEWCASTLE DISEASE, SALMONELLA, MYCOPLASMA AND MANY OTHERS, MY FRIEND.

OH WOW! I UNDERSTAND NOW! SO BIOSECURITY IS VERY IMPORTANT! SO WHAT DO I HAVE TO DO TO PRACTICE BIOSECURITY?

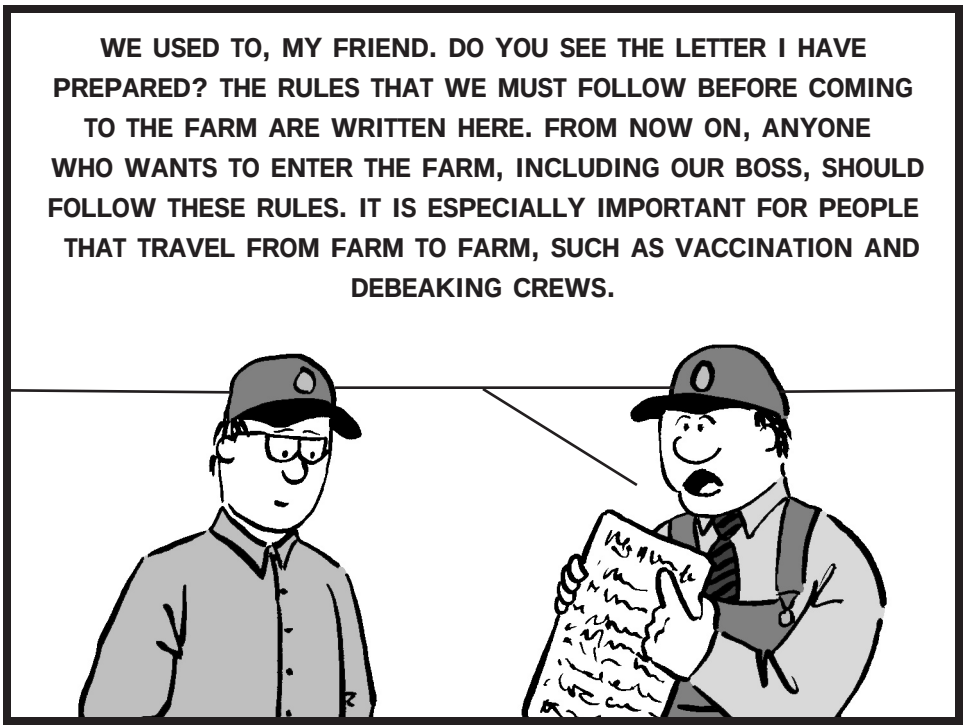
LOOK, I AM GOING TO EXPLAIN THE PRINCIPAL PRECAUTIONS THAT WE SHOULD FOLLOW.

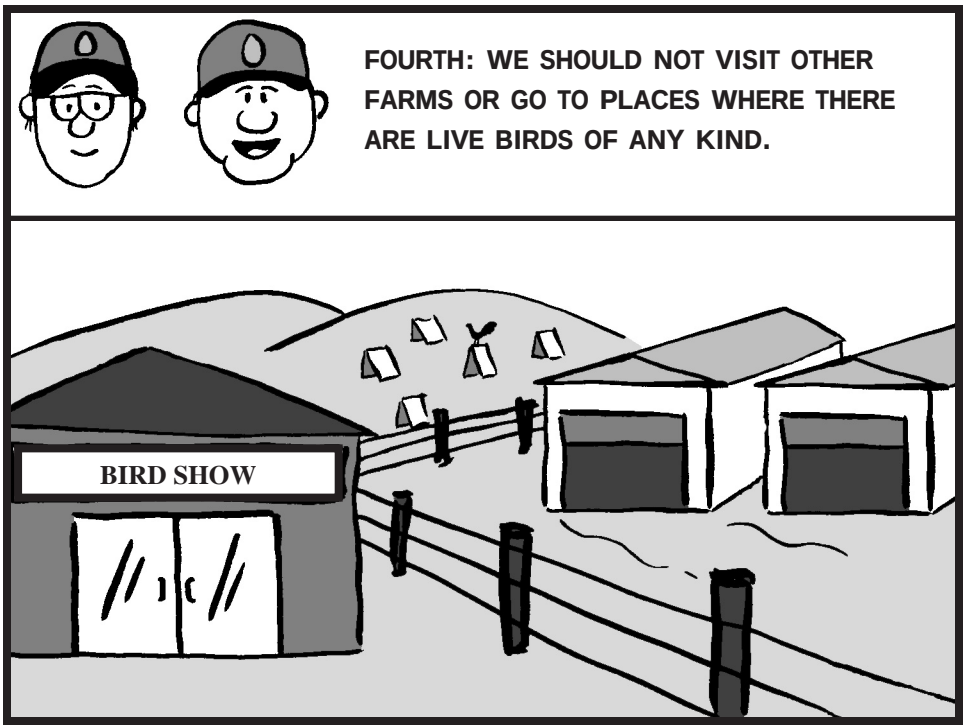

FIRST: PRACTICE GOOD HYGIENE. YOUR HAIR SHOULD BE SHORT, YOUR FINGERNAILS CLEAN AND CLIPPED; ALSO YOU SHOULD WEAR CLEAN CLOTHING AND FOOTWEAR WHEN GOING TO WORK. DON'T FORGET TO WASH YOUR HANDS BEFORE EATING AND AFTER YOU HAVE GONE TO THE BATHROOM.

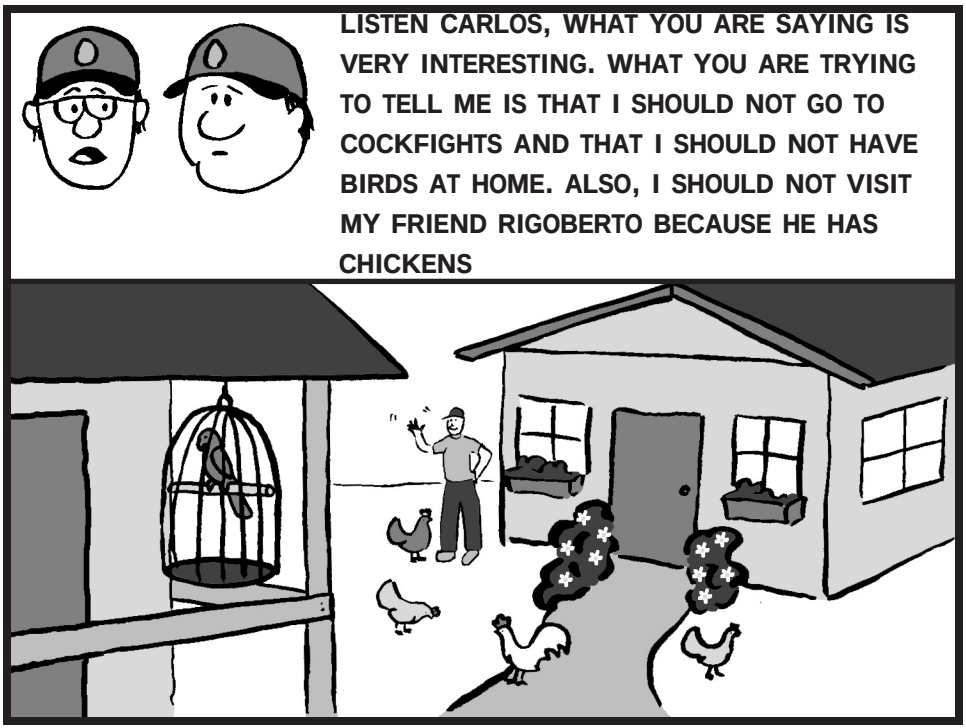
SECOND, TAKE A SHOWER BEFORE GOING TO WORK, USING PLENTY OF SOAP ALL OVER YOUR BODY, ESPECIALLY YOUR HAIR.

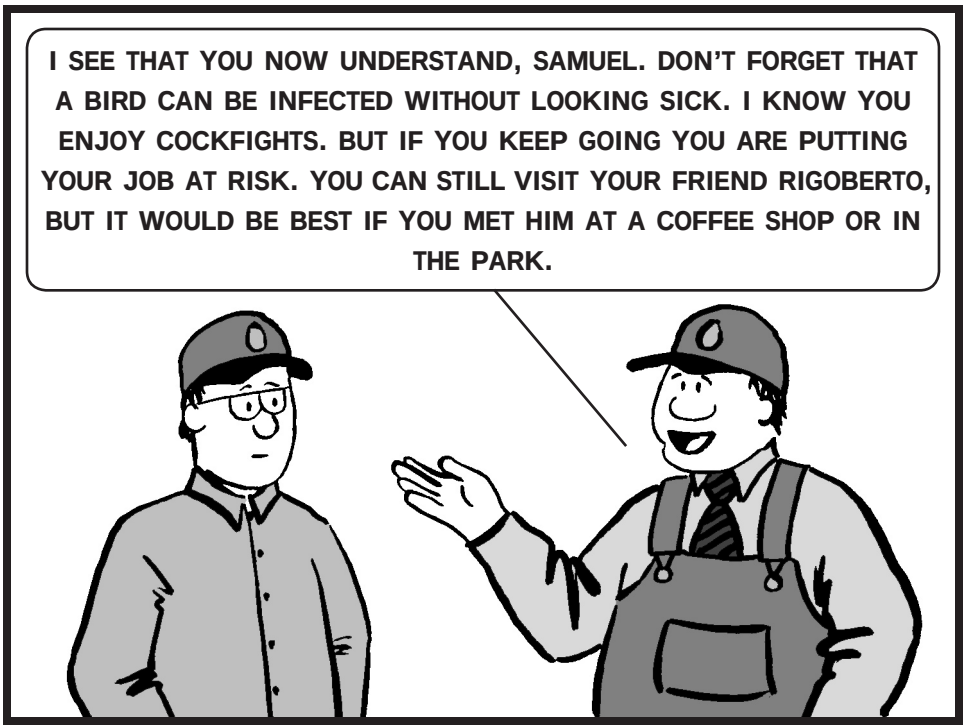

THIRD: USE DEDICATED CLEAN CLOTHING AND FOOTWEAR AT WORK. THESE WORK CLOTHES SHOULD STAY ON THE FARM WHERE THEY CAN BE WASHED. DON'T BRING UNNECESSARY ITEMS ONTO THE FARM.
ROPA PARA TRABAJO

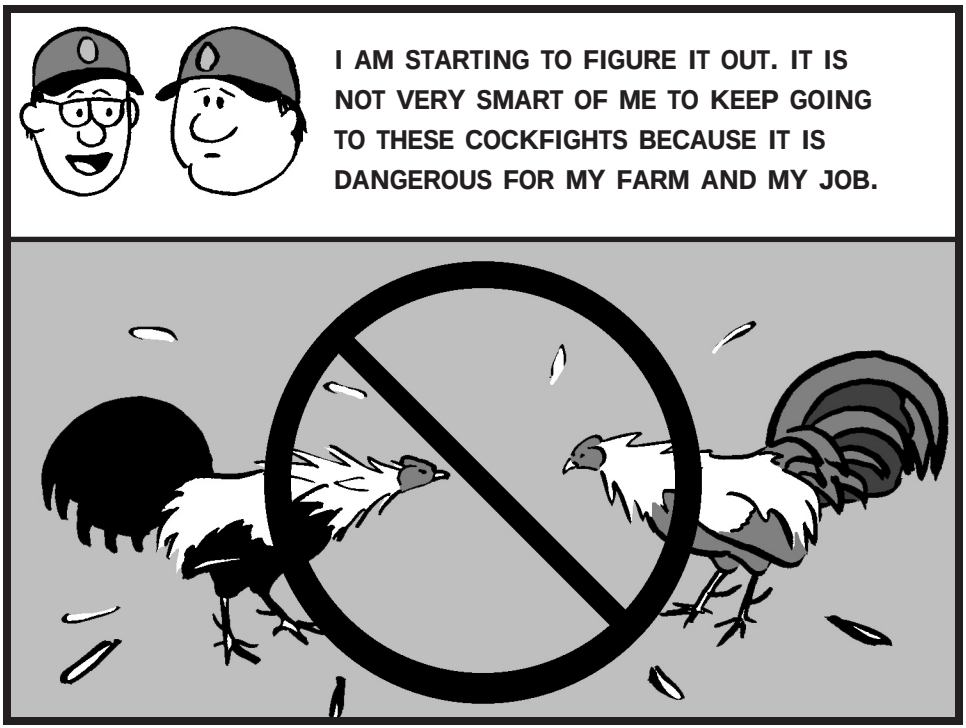
BUT LISTEN CARLOS, THE CLOTHES I WEAR TO WORK ARE THE SAME CLOTHES I USE OUTSIDE OF MY WORK.


WE USED TO, MY FRIEND. DO YOU SEE THE LETTER I HAVE PREPARED? THE RULES THAT WE MUST FOLLOW BEFORE COMING TO THE FARM ARE WRITTEN HERE. FROM NOW ON, ANYONE WHO WANTS TO ENTER THE FARM, INCLUDING OUR BOSS, SHOULD FOLLOW THESE RULES. IT IS ESPECIALLY IMPORTANT FOR PEOPLE THAT TRAVEL FROM FARM TO FARM, SUCH AS VACCINATION AND DEBEAKING CREWS.


FOURTH: WE SHOULD NOT VISIT OTHER FARMS OR GO TO PLACES WHERE THERE ARE LIVE BIRDS OF ANY KIND.
BIRD SHOW

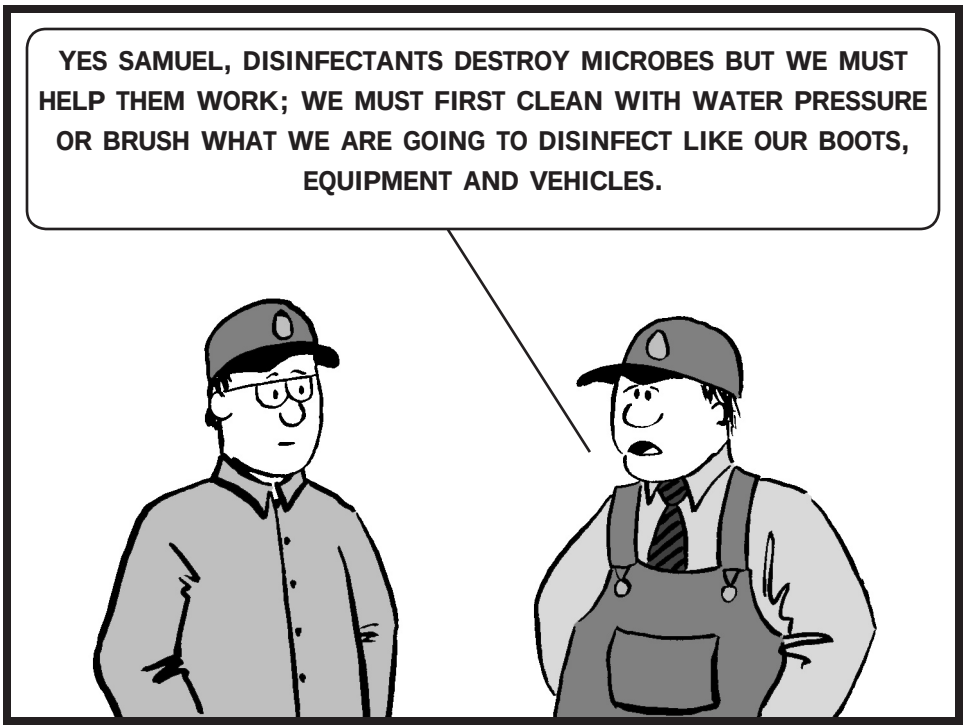

LISTEN CARLOS, WHAT YOU ARE SAYING IS VERY INTERESTING. WHAT YOU ARE TRYING TO TELL ME IS THAT I SHOULD NOT GO TO COCKFIGHTS AND THAT I SHOULD NOT HAVE BIRDS AT HOME. ALSO, I SHOULD NOT VISIT MY FRIEND RIGOBERTO BECAUSE HE HAS CHICKENS


I SEE THAT YOU NOW UNDERSTAND, SAMUEL. DON'T FORGET THAT A BIRD CAN BE INFECTED WITHOUT LOOKING SICK. I KNOW YOU ENJOY COCKFIGHTS. BUT IF YOU KEEP GOING YOU ARE PUTTING YOUR JOB AT RISK. YOU CAN STILL VISIT YOUR FRIEND RIGOBERTO, BUT IT WOULD BE BEST IF YOU MET HIM AT A COFFEE SHOP OR IN THE PARK.

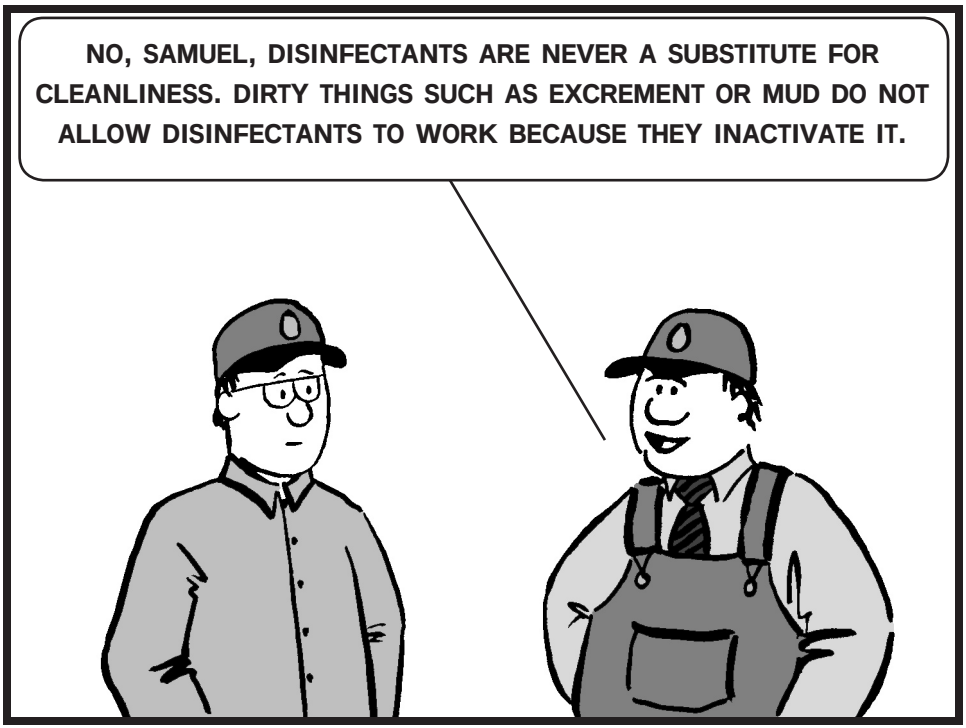

I AM STARTING TO FIGURE IT OUT. IT IS NOT VERY SMART OF ME TO KEEP GOING TO THESE COCKFIGHTS BECAUSE IT IS DANGEROUS FOR MY FARM AND MY JOB.

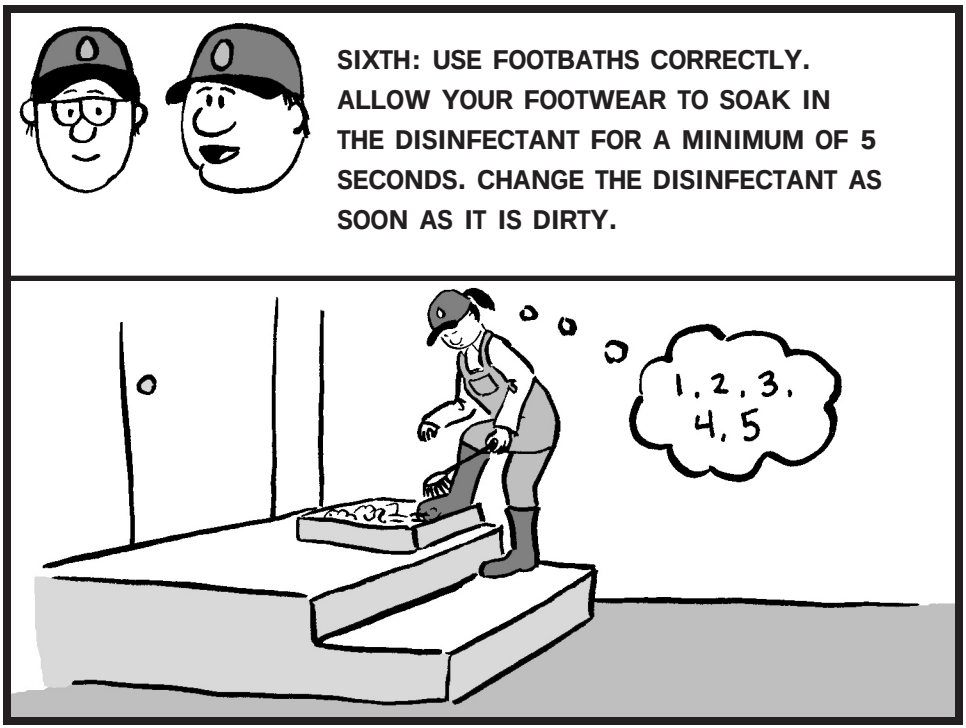
FIFTH: THOROUGHLY CLEAN AND DISINFECT THOSE ITEMS THAT YOU MUST BRING ONTO THE FARM.
JABÓN
DESINFECTANTE

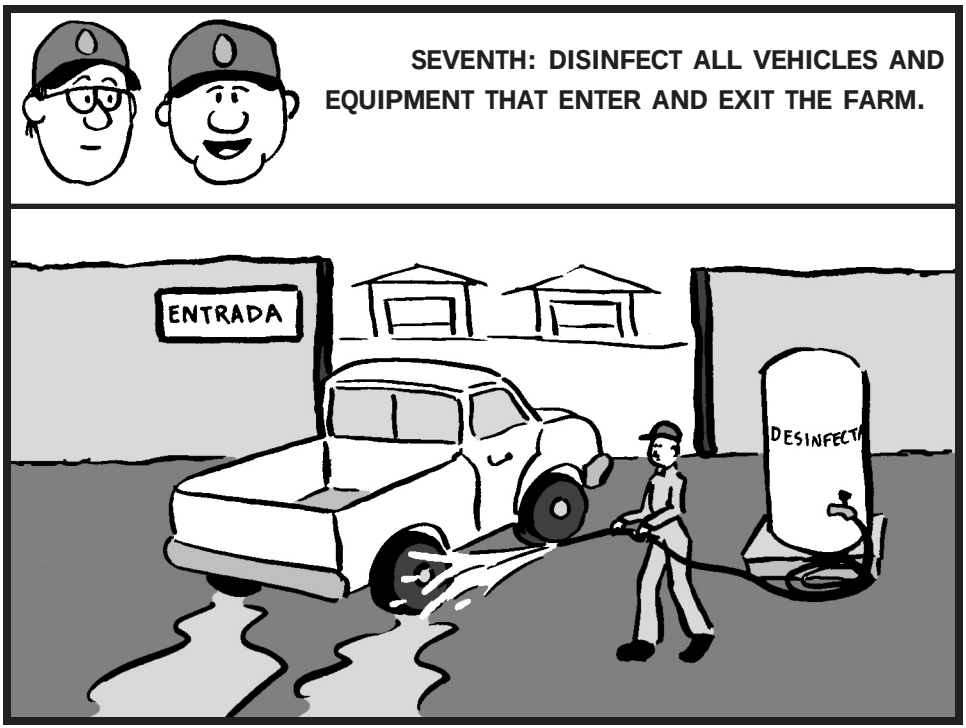
DON'T WORRY I ALWAYS USE PLENTY OF DISINFECTANT.


YES SAMUEL, DISINFECTANTS DESTROY MICROBES BUT WE MUST HELP THEM WORK; WE MUST FIRST CLEAN WITH WATER PRESSURE OR BRUSH WHAT WE ARE GOING TO DISINFECT LIKE OUR BOOTS, EQUIPMENT AND VEHICLES.

OH! I THOUGHT THAT USING DISINFECTANTS WAS ENOUGH.

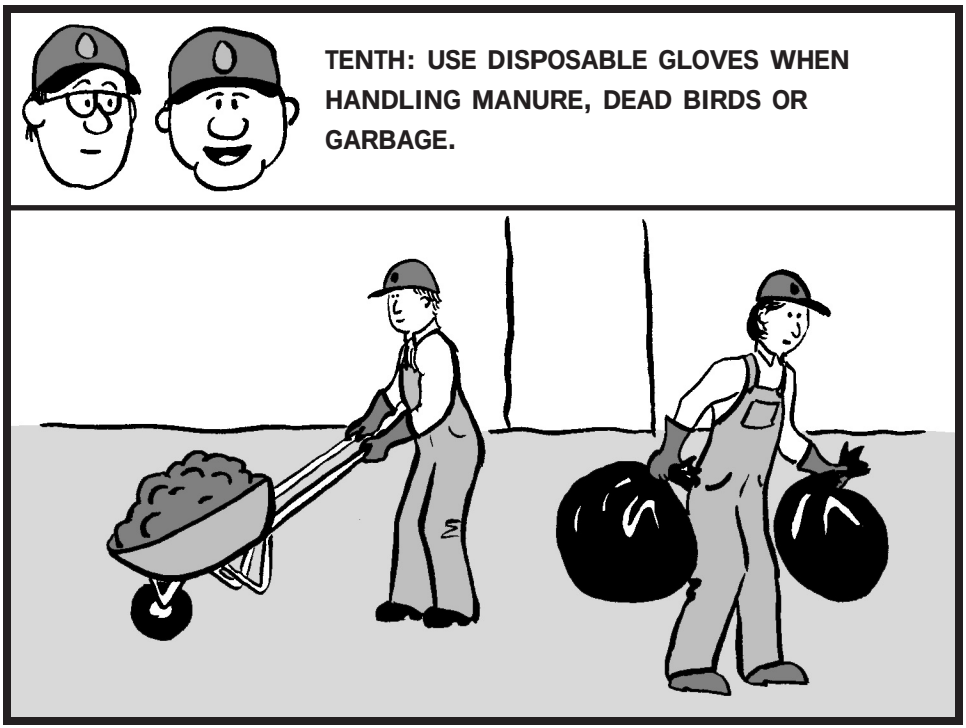

NO, SAMUEL, DISINFECTANTS ARE NEVER A SUBSTITUTE FOR CLEANLINESS. DIRTY THINGS SUCH AS EXCREMENT OR MUD DO NOT ALLOW DISINFECTANTS TO WORK BECAUSE THEY INACTIVATE IT.

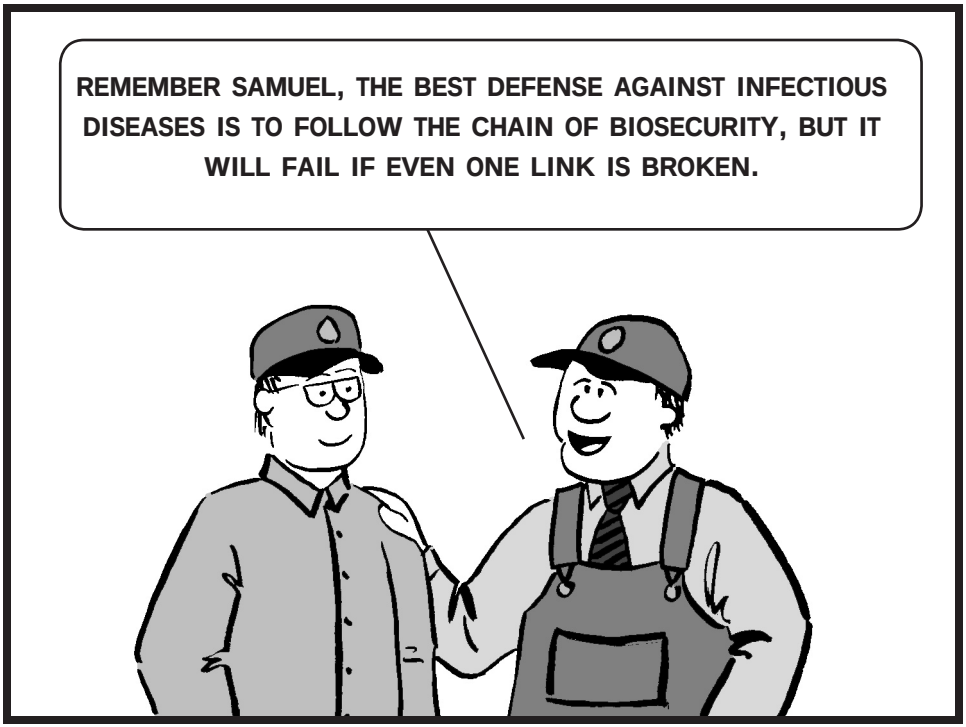

SIXTH: USE FOOTBATHS CORRECTLY. ALLOW YOUR FOOTWEAR TO SOAK IN THE DISINFECTANT FOR A MINIMUM OF 5 SECONDS. CHANGE THE DISINFECTANT AS SOON AS IT IS DIRTY.
1, 2, 3, 4, 5


SEVENTH: DISINFECT ALL VEHICLES AND EQUIPMENT THAT ENTER AND EXIT THE FARM.
ENTRADA
DESINFECTA

EIGHTH: DO NOT VISIT OTHER AREAS OF THE FARM WITHOUT A REASON. DO NOT PERMIT UNNECESSARY VISITORS INTO THE FARM OR YOUR WORK AREA.
I AM SORRY FRIEND BUT YOU CANNOT ENTER THIS AREA.
UNAUTHORIZED PERSONS MAY NOT ENTER THIS AREA

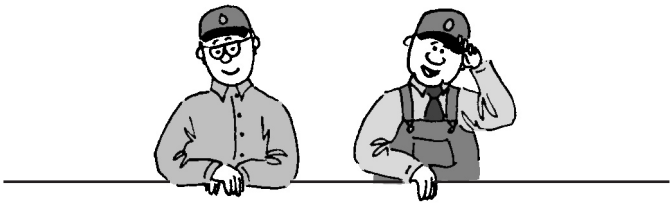
NINTH: IF YOU SEE SOMETHING THAT IS ABNORMAL IN YOUR WORK AREA, IMMEDIATELY REPORT IT TO YOUR SUPERVISOR.
LOOK THERESA. TODAY I NOTICED THE HENS ARE EATING LESS AND ARE LAYING FEWER EGGS.
WE SHOULD TELL VIVIANO, OUR SUPERVISOR.


TENTH: USE DISPOSABLE GLOVES WHEN HANDLING MANURE, DEAD BIRDS OR GARBAGE.


REMEMBER SAMUEL, THE BEST DEFENSE AGAINST INFECTIOUS DISEASES IS TO FOLLOW THE CHAIN OF BIOSECURITY, BUT IT WILL FAIL IF EVEN ONE LINK IS BROKEN.

# REMEMBER

**YOU ARE THE MOST IMPORTANT LINK IN THE BIOSECURITY CHAIN THAT KEEPS DISEASE FROM ENTERING YOUR FARM: IT WILL KEEP THE BIRDS HEALTHY. BY THE WAY, IT WILL ALSO PROTECT YOUR JOB AND THE WELL-BEING OF YOUR FAMILIES.**



**“THANK YOU FOR YOUR ATTENTION”**

# Biosecurity Rules for Poultry Farm Workers

1. Practice good personal hygiene.
2. Shower with soap and water before going to work.
3. Use clean clothing & footwear at work.
4. Do not visit places where there are live chickens.
5. Thoroughly clean and disinfect all items brought onto the farm.
6. Always use footbaths correctly.
7. Disinfect all vehicles and equipment that enter the farm.
8. Do not permit unnecessary visitors onto the farm or into your work area.
9. Immediately report all abnormal situations on the farm to your supervisor.
10. Use disposable gloves when handling manure, dead birds and trash.

**USDA**
**www.aphis.usda.gov**

**CDFA**
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## NOTES:

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