EDUCATING PRODUCE GROWERS & WORKERS IN THE FARM FOOD SAFETY ASPECTS OF EFFICIENT REASONABLE CLEANING OF WASH-LINE EQUIPMENT

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EDUCATIONAL PROGRAMMING DEVELOPED FROM RESEARCH RESULTS

• NORTHEAST EXTENSION RISK MANAGEMENT EDUCATION FUNDED PROJECT
EDUCATIONAL PROGRAMMING DEVELOPED FROM RESEARCH RESULTS

• NECAFS FUNDED PROJECT
EDUCATIONAL PROGRAMMING DEVELOPED FROM RESEARCH RESULTS

• NECAFS FUNDED PROJECT

• FOCUS ON FIGURING OUT HOW TO CLEAN PRODUCE WASH EQUIPMENT THAT WASN’T DESIGNED TO BE EASILY CLEANED
PRODUCE BRUSH WASHER
3-SECTIONS: CONVEYOR, BRUSH WASHER, ABSORBER
EDUCATIONAL PROGRAMMING DEVELOPED FROM RESEARCH RESULTS

• NECAFS FUNDED PROJECT TO INVESTIGATE HOW TO CLEAN PRODUCE WASH EQUIPMENT
• FOCUS ON FIGURING OUT HOW TO CLEAN PRODUCE WASH EQUIPMENT THAT WASN’T DESIGNED TO BE EASILY CLEANED
• CONVEYOR, BRUSH WASHER, AND ABSORBER THAT MAKE UP A PRODUCE WASH LINE
• ROOT BARREL WASHER
RESEARCH CONDUCTED

• IDENTIFY WHERE DIRT AND DEBRIS FROM THE OPERATION OF THE EQUIPMENT GOES

• IDENTIFY WHERE DIRT AND DEBRIS SPREADS WHEN RINSED

• IDENTIFY WHAT PROCEDURES WORK FOR CLEANING

• IDENTIFY WHAT TOOLS CAN CLEAN EFFECTIVELY & GETTING INTO HARD TO REACH PLACES

• VERIFYING THE EQUIPMENT IS “CLEAN” AFTER THE CLEANING STEPS

• DEVELOPING CLEANING CHECKLIST FOR EACH PIECE OF EQUIPMENT
TRYING TO VISUALIZE DEBRIS TO DETERMINE EFFECTIVENESS OF CLEANING
AFTER DEALING WITH SCRUBBING A LOT OF CRUD OFF EQUIPMENT...

• CAME UP WITH DETAILED GUIDELINES FOR DOING A “REASONABLE” JOB
EQUIPMENT CLEANING

- THOROUGH OR DEEP CLEANING
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING

• TAKES TIME TO REALLY DIG INTO
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING
• TAKES TIME TO REALLY DIG INTO
• DO IT OFF-SEASON AFTER HARVEST
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING
• TAKES TIME TO REALLY DIG INTO
• DO IT OFF-SEASON AFTER HARVEST
• REMOVING DRIED CAKED-ON CRUD
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING
• TAKES TIME TO REALLY DIG INTO
• DO IT OFF-SEASON AFTER HARVEST
• REMOVING DRIED CAKED-ON CRUD
• REQUIRES KNOWLEDGE OF HOW TO TAKE EQUIPMENT APART (AND PUTTING BACK TOGETHER)
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING

• MAINTENANCE OR ROUTINE CLEANING
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING

• MAINTENANCE OR ROUTINE CLEANING

• STARTING CLEAN, DAILY AFTER USE
EQUIPMENT CLEANING

• THOROUGH OR DEEP CLEANING
• MAINTENANCE OR ROUTINE CLEANING
• STARTING CLEAN, DAILY AFTER USE
• RINSING & QUICK SCRUB BEFORE CRUD DRIES ON
• THEN DRYING OFF REMAINING MOISTURE
PLACES FOR CRUD TO HIDE
CHECKLISTS
GROWER AND WORKER TRAINING
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
• ASSESSING & MINIMIZING RISK
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
• ASSESSING & MINIMIZING RISK
• TRANSPORT FROM FIELD TO FACILITY
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
• ASSESSING & MINIMIZING RISK
• FACILITY DESIGN & OPERATION
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
• ASSESSING & MINIMIZING RISK
• FACILITY DESIGN & OPERATION
• SET-UP AND EFFICIENCY

“Ideal Wash/Pack Design”
FOCUS ON WASH/PACK TOPICS

• BEGINS IN THE FIELD
• ASSESSING & MINIMIZING RISK
• FACILITY DESIGN & OPERATION
• SET-UP AND EFFICIENCY
• OPERATION INCORPORATING GOOD AGRICULTURAL PRACTICES
FOCUS ON WASH/PACK TOPICS

• HEAVY EMPHASIS ON CLEANING
FOCUS ON WASH/PACK TOPICS

• HEAVY EMPHASIS ON CLEANING
• INCLUDING HANDS AND ALL FOOD CONTACT SURFACES
FOCUS ON WASH/PACK TOPICS

• HEAVY EMPHASIS ON CLEANING
• FROM HANDS TO ALL FOOD CONTACT SURFACES
• TO ZONE 4 AND BEYOND!
WHERE WE ARE AT…

• CREATED TRAINING PRESENTATIONS
• CHECKLISTS AND SOPs (TRIPLE SINKS, DRAINS, TANKS, AERATOR)
• CREATING HANDS ON TRAINING ACTIVITIES
• ADDITIONAL REVISIONS TO PRESENTATION