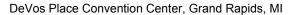


Great Lakes Fruit, Vegetable & Farm Market EXPO Michigan Greenhouse Growers EXPO

December 10-12, 2019





Working with Knee Pain in Agriculture

Moderator: Ned Stoller, AgrAbility

1:00 pm Working with Shoulder Injuries

Ned Stoller, Easterseals Michigan AgrAbility

• Matthew Schmitz, Hulst-Jepsen Physical Therapy





Working With Knee Injuries in Agriculture

Matthew Schmitz M.S.P.T., Cert MDT, OCS, CIDN Ned Stoller, Agricultural Engineer

Who is Michigan AgrAbility?

Michigan AgrAbility is a non-profit that helps growers with serious medical conditions to keep working.

We are a partnership between Michigan State University Extension and Easterseals Michigan.





Common Causes of Knee Pain

- Repeated trauma
- Prolonged standing, sitting, or weightbearing
- Heavy lifting
- Lack of hip and knee strength
- Lack of flexibility and range of motion
- Poor footwear

Observations of Farmers and their pain

- Observation of 3 generations of Farmers
- Extremes from sedentary to vigorous activity
- Do not take "rest" days or even periods
- Work through pain and push their body too hard
- Difficult to change habits
- Small injuries become large injuries get proactive!
- "I just have to live with the pain"
- Wait until major surgery is required.





Traditional Treatments

- · Rest, ice, heat
- Medication NSAIDS, tylenol, Prescription steroids, muscle relaxors, pain killers
- Injections cortisone
- Minor / major surgical procedures
- Physical therapy



What Can Physical Therapy Do For You?

- Get to the root of the problem
- Address ROM, flexibility, strength, biomechanics, gait, balance
- Establish a treatment diagnosis, problem list, goals and plan of care
- Tailored to your needs
- Decrease pain so you can move and function freely



Strategies to Prevent or Reduce Knee Pain

- Exercise Stretching/range of motion
- Exercise Strengthening
- Exercises before and after work tasks
- Wellbeing weight loss, eating well, rest (not sleep)
- Good footwear
- Avoid or modify aggravating activities

Exercises to Reduce Knee Pain – Back/hip stretches HeroVid









Working With Knee Pain

What tasks make your knee pain worse? Better? Make a list & accommodate.

- 1. Does the job have to be done?
- 2. Can it be done a different way?
- 3. Can it be traded with another worker?
- 4. Is there a tool to help reduce the pain?
- 5. Could you adapt a tool to help reduce the pain?
- 6. Could you design a new tool to help reduce the pain?



Visit us in booth 1547!



Ned Stoller

Agricultural Engineer & **Assistive Technology Specialist**

www.MichiganAgrAbility.org



Matt Schmitz

Physical Therapist

www.hjphysicaltherapy.com