

CHOOSING THE CORRECT MARKETING TOOL

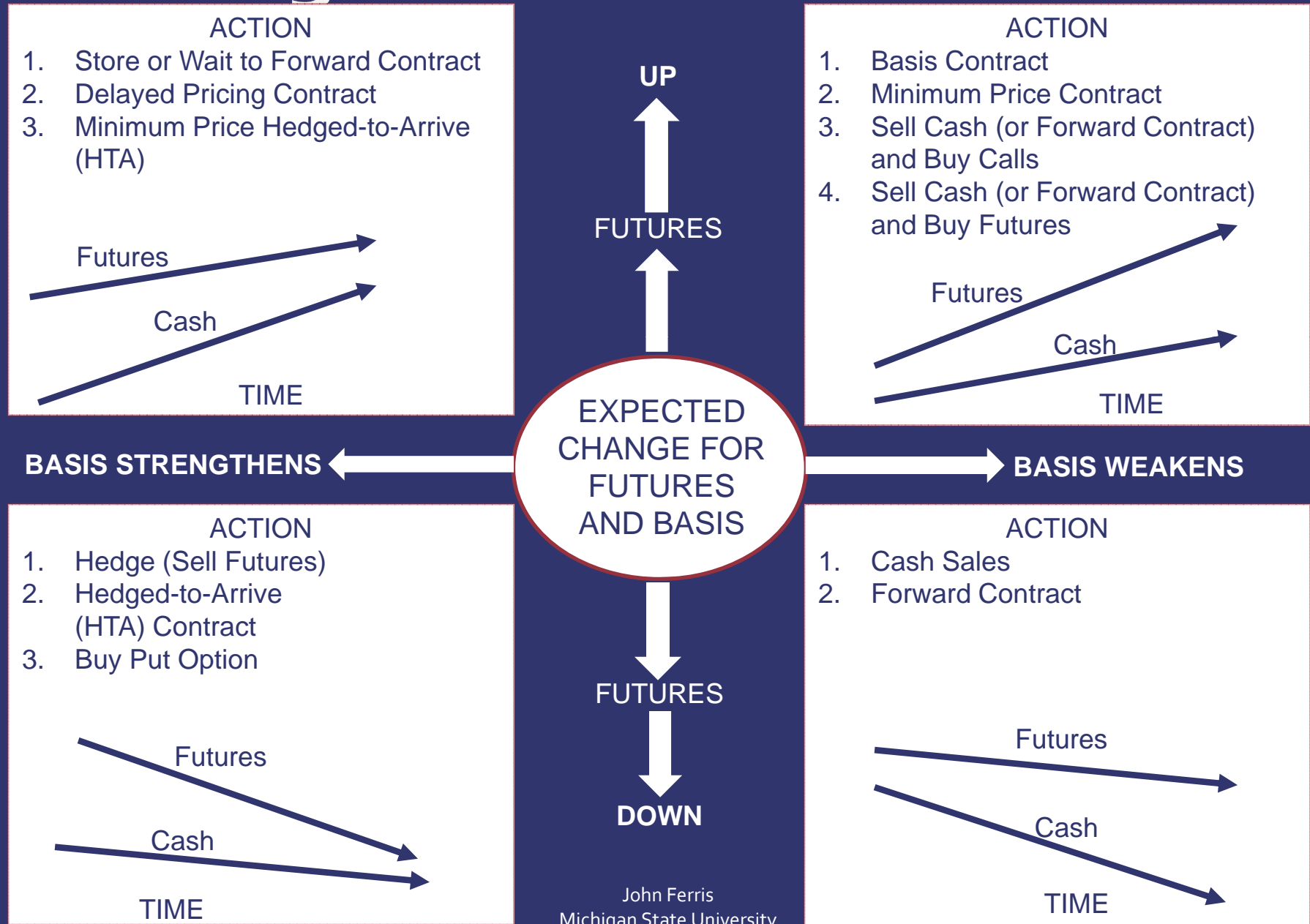
FRAYNE OLSON, PHD

CROPS ECONOMIST/MARKETING SPEC.
NDSU EXTENSION SERVICE
AGRIBUSINESS & APPLIED ECONOMICS

Objectives for Today

- ◆ Provide a brief review of futures markets.
- ◆ Carefully review alternative market conditions and which marketing strategies work best under alternative conditions.
- ◆ Have an open and *interactive* discussion!!

Strategies for Product Sellers



Choosing the Correct Tool

- ◆ The key to choosing the correct marketing tool (results in the highest local cash price) is to understand:
 - 1) The expected trends in futures prices
 - 2) The expected trends in basis

**A QUICK REFRESHER:
THE RELATIONSHIP
BETWEEN CASH AND
FUTURES MARKETS**

What is a Futures Contract?

- ◆ A contract to deliver a **specific quantity of grain** (5,000 bu. of Hard Red Spring Wheat) with a **specific quality standard** (# 2 Northern Spring with min. of 13.5 % pro.) to a **specific location** (Minneapolis/St. Paul) by a **specific date** (before 15th of contract month).

What is a Futures Contract?

- ◆ Delivery months for Hard Red Spring Wheat on Minneapolis Grain Exchange:
 - ◆ September
 - ◆ December
 - ◆ March
 - ◆ May
 - ◆ July

What is a Futures Contract?

- ◆ Delivery months for Corn on Chicago Board of Trade:
 - ◆ December
 - ◆ March
 - ◆ May
 - ◆ July
 - ◆ September

What is a Futures Contract?

- ◆ Delivery months for Soybeans on Chicago Board of Trade:
 - ◆ November, January
 - ◆ March, May
 - ◆ July, August
 - ◆ September

What is a Futures Contract?

- ◆ **PRICE** is the only contract provision that is negotiable.
- ◆ Remember, for every seller there must be a buyer; and, for every buyer there must be a seller.

What is a Futures Contract?

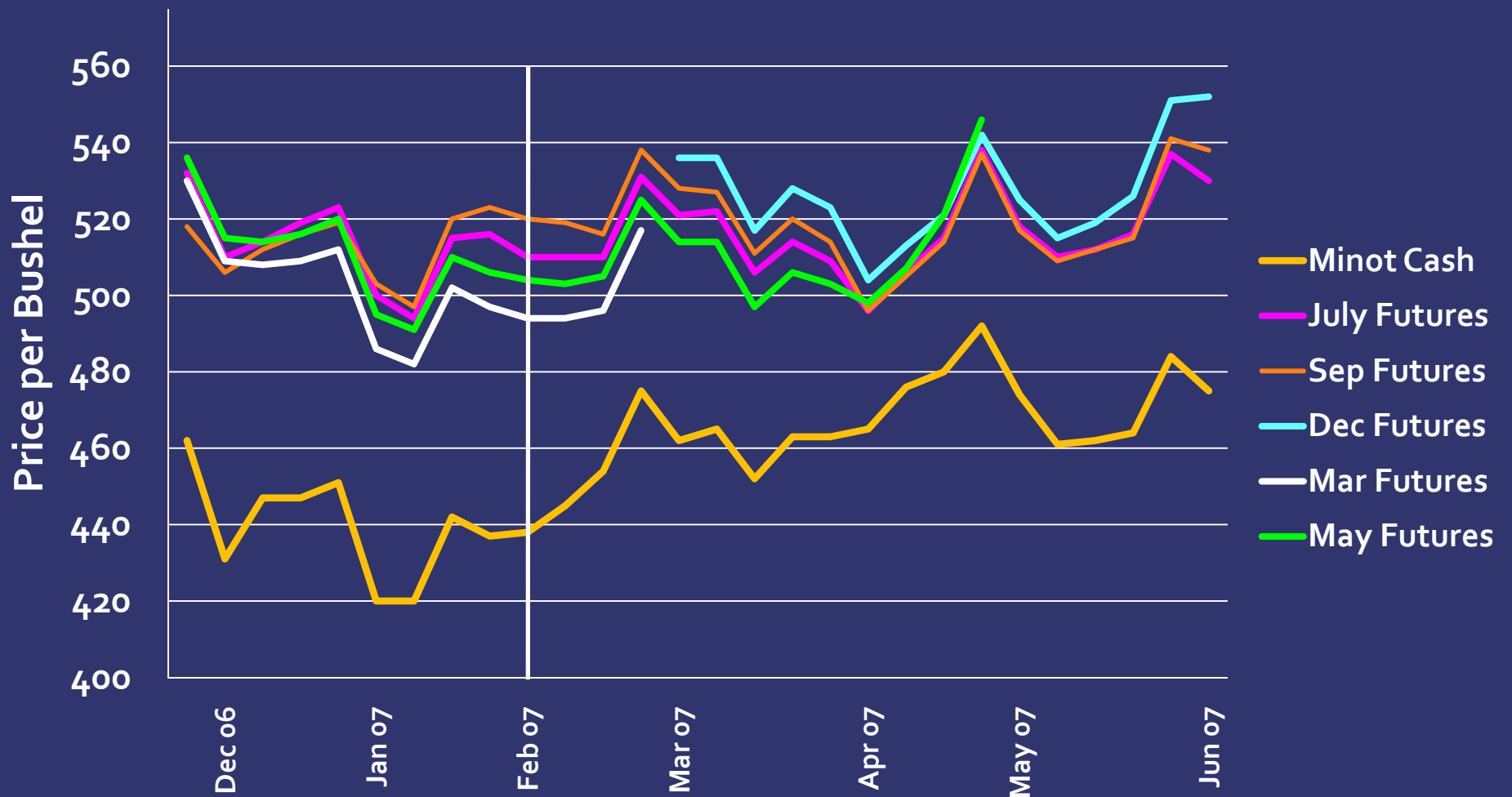
- ◆ You can buy a contract or sell a contract without owning any commodity. The contract is an agreement to deliver in the future.
- ◆ Contracts are rarely fully executed (physical deliver made), they are *off-set*.

What is a Futures Contract?

- ◆ Every trading day, a price is “negotiated” for the delivery of the specific commodity (Hard Red Spring Wheat) at **different times** in the future.
- ◆ The **near-by** futures month is the one closest to today’s date.

Futures Price vs. Cash Price

Mpls. HRSW Futures & Minot Cash Price



What is a Futures Contract?

- ◆ There is a strong relationship, although not perfect, between the futures contract and the cash trading of the same commodity.
- ◆ The futures price is also commonly used as a proxy for a national average price.

Local Cash Market

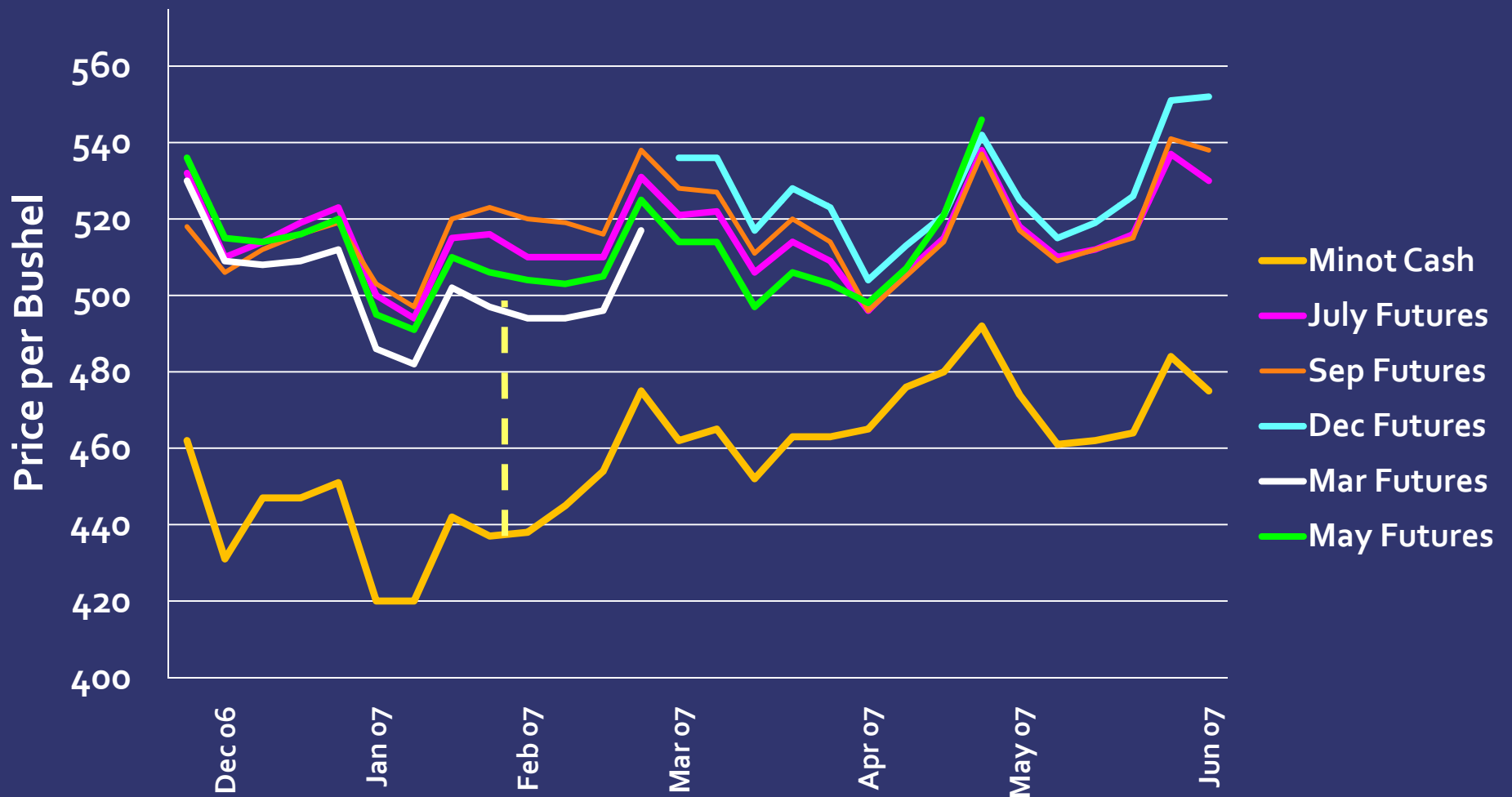
- ◆ The local physical delivery of grain for sale today.
- ◆ Local sale price is influenced by:
 - ◆ Grain dealer's cost structure (margins)
 - ◆ Local competition (supply & demand)
 - ◆ Transportation to processor or terminal market
 - ◆ Time differences between purchase and processing or re-selling (storage & interest)

Futures Price vs. Cash Price

- ◆ The difference between the cash price and the futures price (cash price – futures price) is *the basis*, and is unique to each local cash market.
- ◆ NOTE: A **basis** value can be calculated between different trading months for the same commodity or across different commodity exchanges (ex. Minneapolis vs. Chicago).

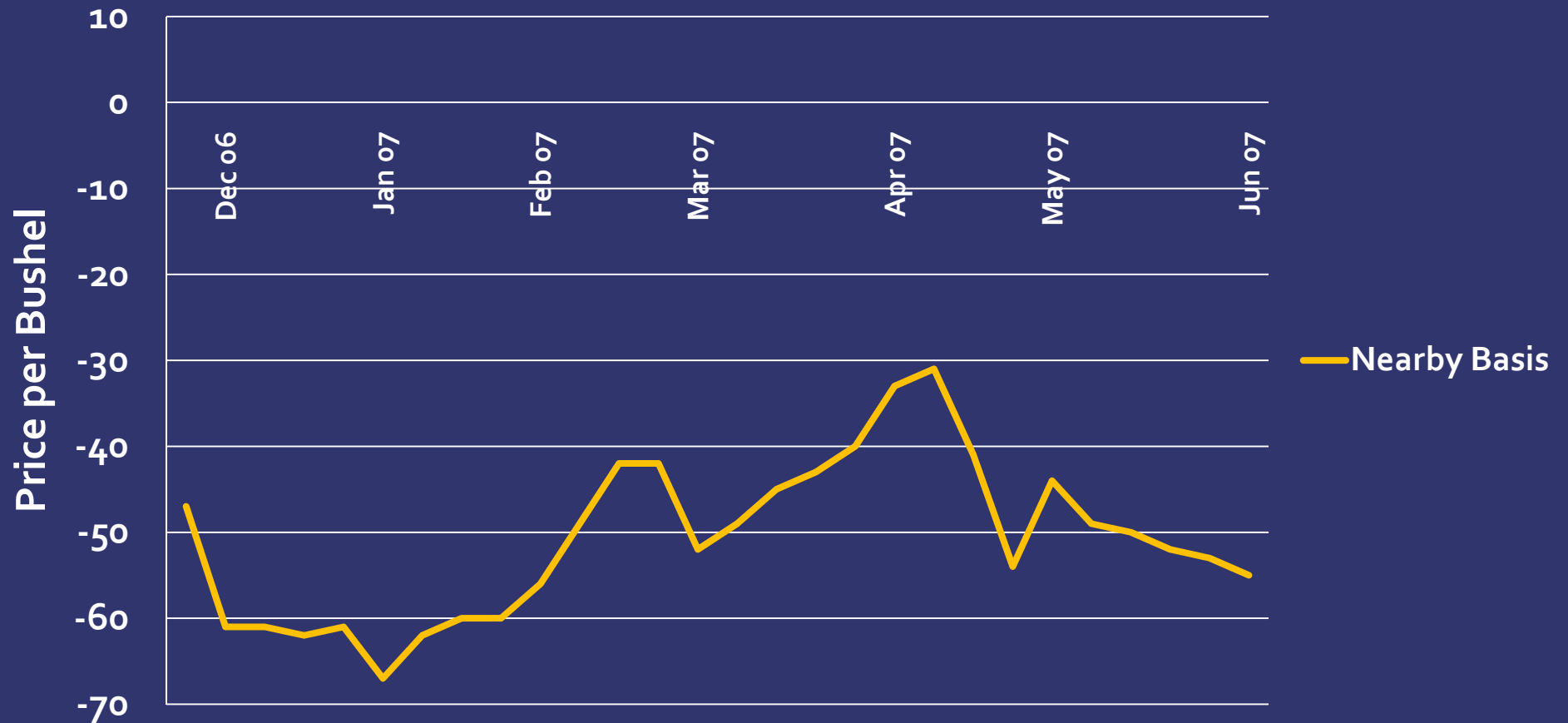
Futures Price vs. Cash Price

Mpls. HRSW Futures & Minot Cash Price



Minot Spring Wheat Basis

Nearby Spring Wheat Basis for Minot



Futures Price vs. Cash Price

- ◆ When is the local basis typically the widest (biggest difference between cash and futures prices)?
- ◆ When is the local basis typically the narrowest (smallest difference between cash and futures prices)?

Why Do We Use The Futures Markets?

- ◆ Grain dealers, like the local elevator, use the futures market to reduce risk.
- ◆ Farmers and processors can use futures markets to establish a base price for a commodity without having to actually deliver or receive the commodity (establish a price for future delivery).

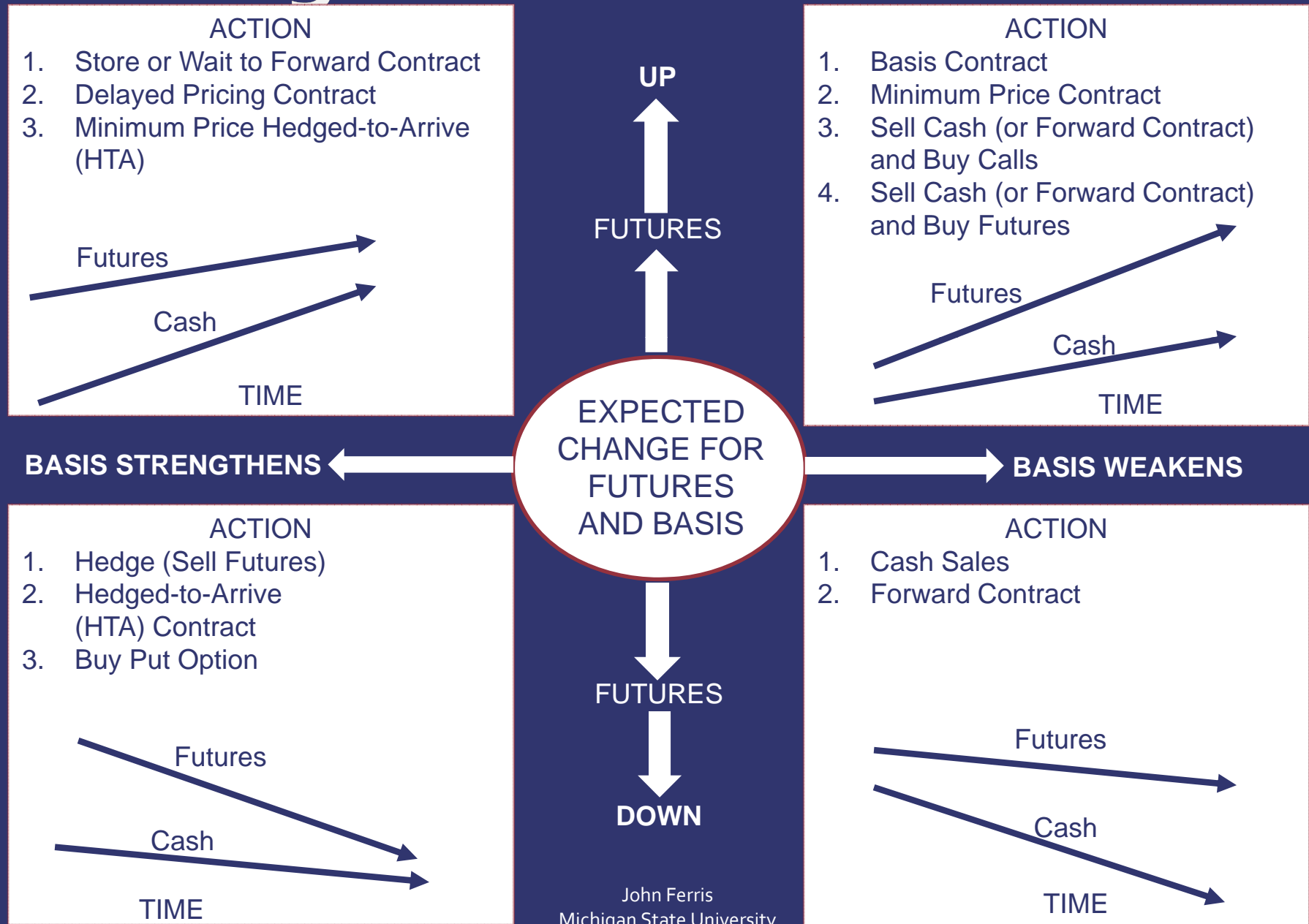
Why Do We Use The Futures Markets?

- ◆ Allows grain dealers and processors to offer more sophisticated cash marketing contracts to farmers:
 - ◆ Hedge-To-Arrive (Futures Fixed) Contract
 - ◆ Basis Fixed Contract
 - ◆ Minimum Price Contract
 - ◆ Delayed Price Contract

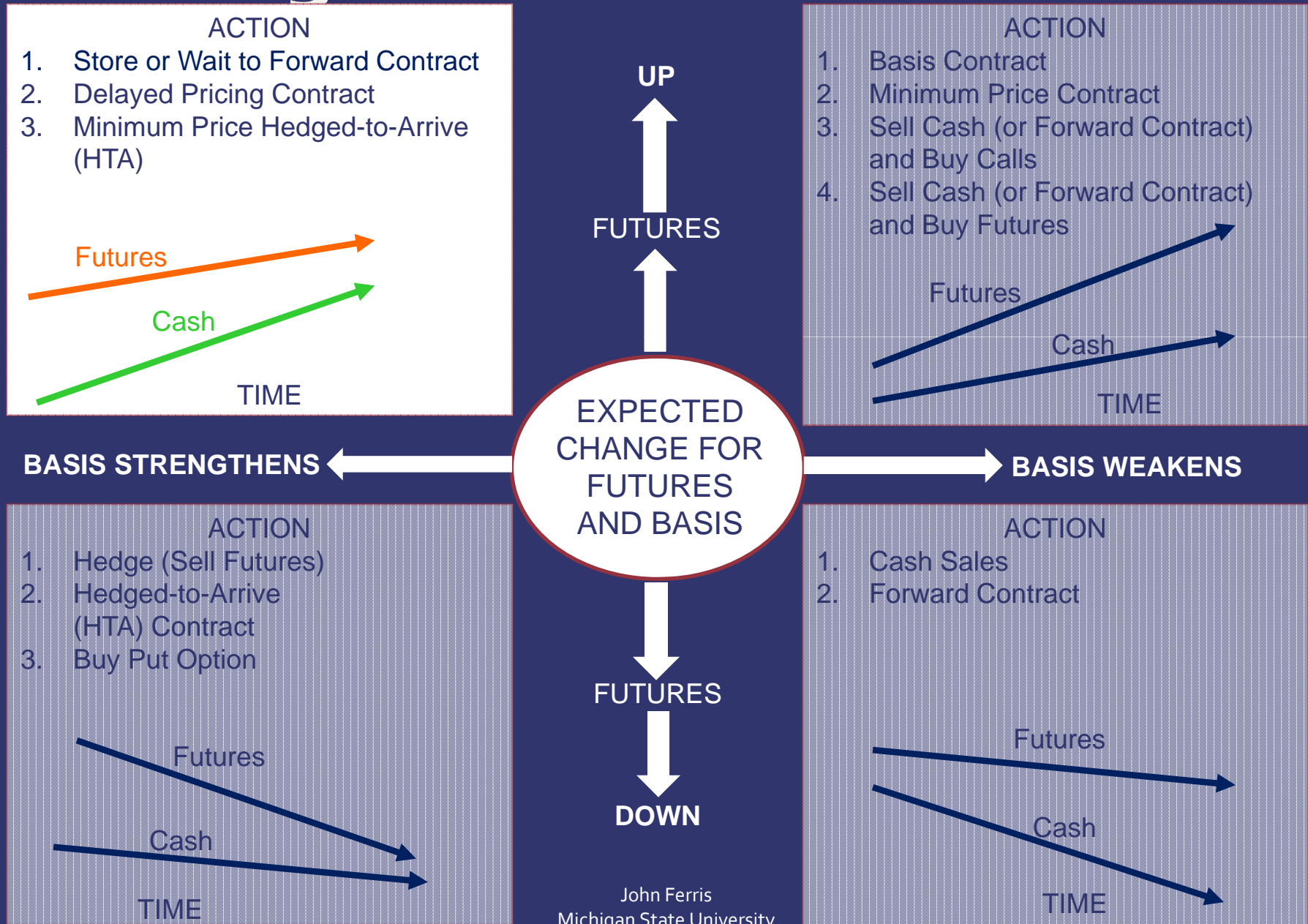
Choosing the Correct Tool

- ◆ The key to choosing the correct marketing tool (results in the highest local cash price) is to understand:
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Strategies for Product Sellers



Strategies for Product Sellers



What is a *Delayed Pricing Contract*?

- ◆ Farmer delivers grain today, but cash price is not established until a future date.
- ◆ Title for grain is transferred to the buyer, and buyer commonly resells grain before final cash price is established.

What is a *Delayed Pricing Contract*?

- ◆ Seller is unsecured creditor, but grain dealers bonding applies for first 30 days of contract.
- ◆ The grain dealers bond may or may not apply after 30 days. N.D. Credit-Sale Contract Indemnity fund covers 80% of value for contracts over 30 days.

What is a *Delayed Pricing Contract*?

- ◆ The futures price is not established.
- ◆ The basis is not established.
- ◆ The grain buyer typically charges a fee to write a Delayed Pricing Contract, which covers a portion of the basis risk.

What is a *Minimum Price Hedge-to-Arrive?*

- ◆ Grain buyer purchases a Call Option and writes a forward contract with the farmer.
- ◆ This establishes a *minimum* futures price for the cash sale in the future.
- ◆ The basis has NOT been established.
- ◆ The premium for the Call Option is part of the contract fees.

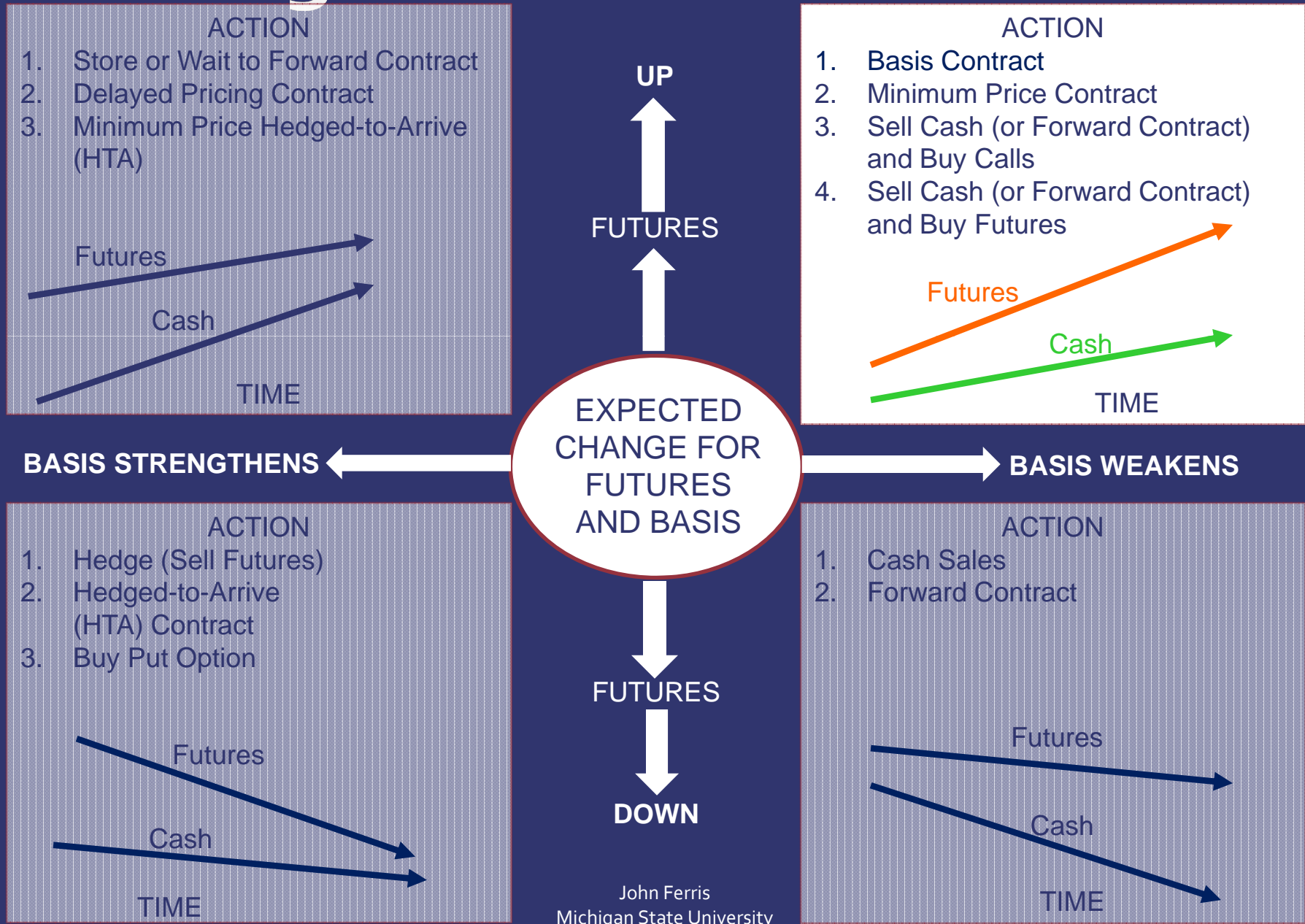
What is the difference between buying a Call Option & Put Option?

- ◆ The buyer of a **Call** Option gains money when the futures price goes **UP**.
- ◆ The buyer of a **Put** Option gains money when the futures price goes **DOWN**.
- ◆ A **NET PROFIT** is not made until the price movement is more than the premium paid for the option.

Question:

- ◆ How could a farmer implement this type of options strategy without using a Minimum Price Hedge-to-Arrive contract?

Strategies for Product Sellers



What is a *Basis Contract*?

- ◆ This is a contract between a grain buyer and farmer where the basis is specified in the contract, but the futures price has NOT been established.
- ◆ The farmer can choose the futures price at a later date (time of final sale).

What is a *Minimum Price Contract*?

- ◆ The grain buyer purchases a Call Option and writes a forward contract with the farmer.
- ◆ This establishes a minimum *cash* price for the cash sale in the future.
- ◆ The basis **IS** specified in the contract.
- ◆ The option premium is included as a cost within the contract.

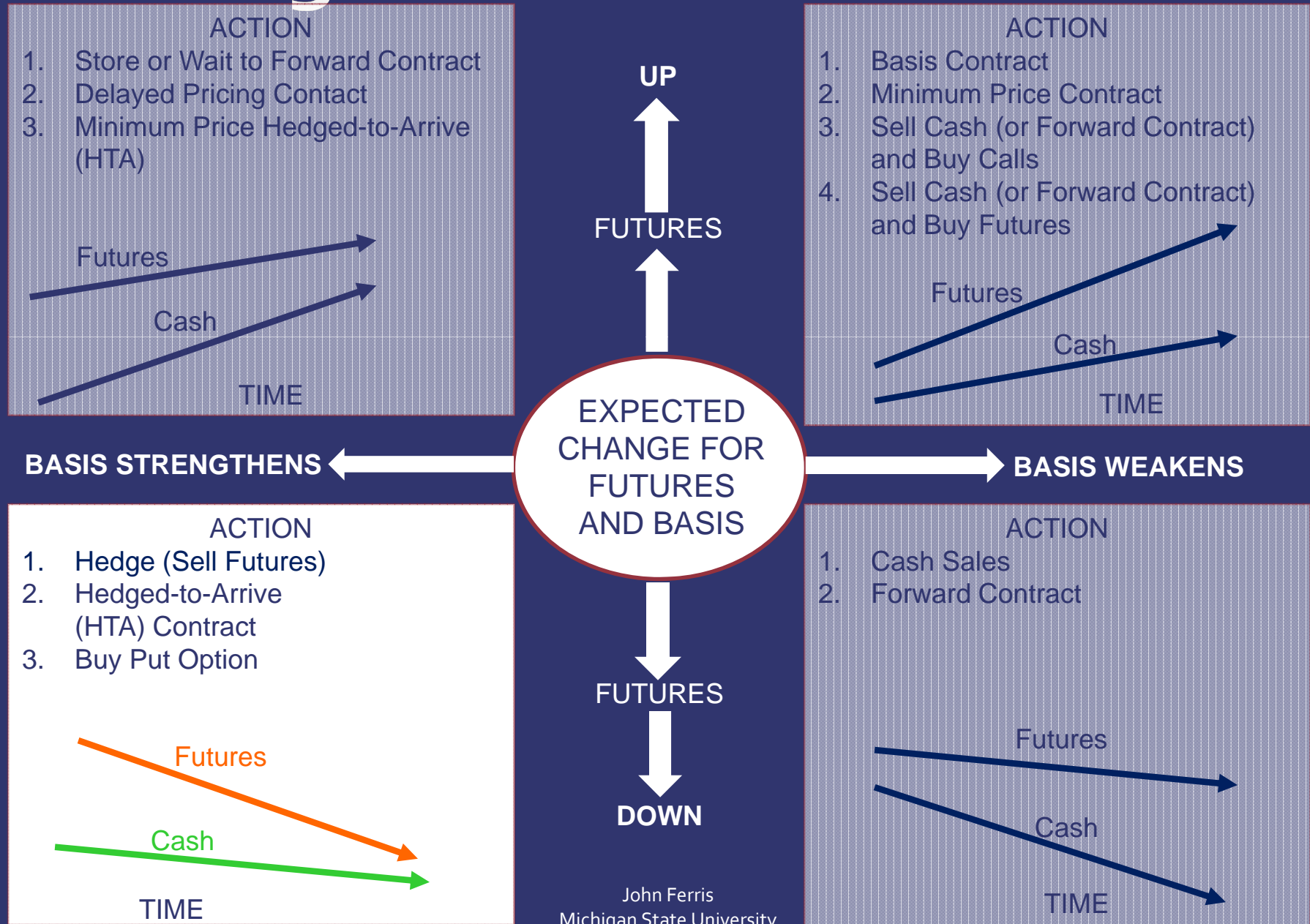
Sell Cash - Buy a Call Option

- ◆ Reminder, the buyer of a Call Option makes money when the futures price increases.
- ◆ A Net Gain is realized when the price increase is greater than the cost of the option.
- ◆ Why does this strategy work?

Sell Cash - Buy Futures

- ◆ Why does this strategy work?
- ◆ Is this more risky than storing cash grain and waiting for a price increase?
- ◆ Is this more risky than a *minimum price contract* or *sell cash – buy call* strategy?

Strategies for Product Sellers



What is a Hedge (sell futures)?

- ◆ Hedge – taking an opposite position in the cash and futures markets.
 - ◆ Ex. Sell Cash – Buy Futures
 - ◆ Ex. Buy Cash – Sell Futures
- ◆ Why does this strategy work?

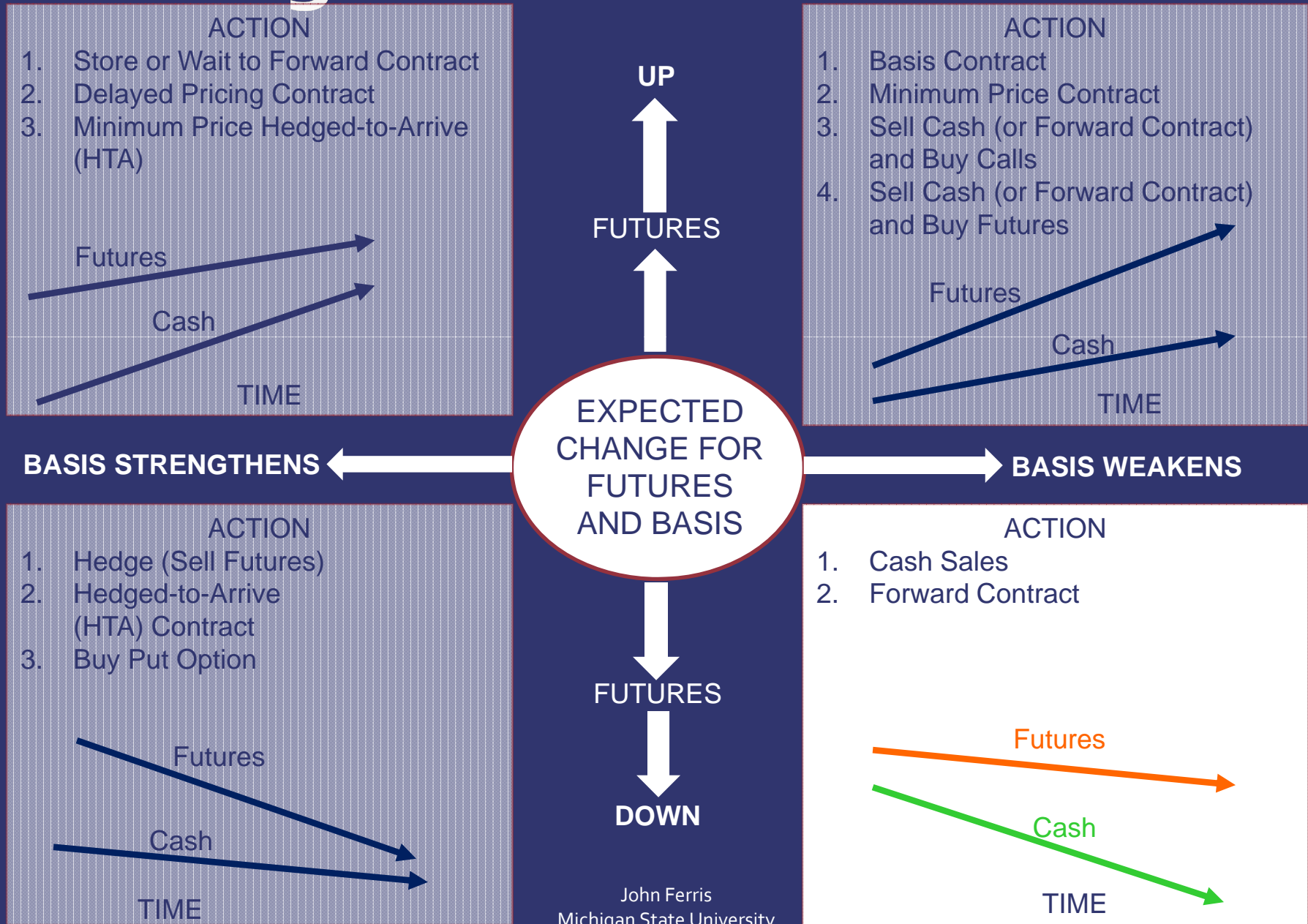
What is a *Hedge-to-Arrive Contract*?

- ◆ This is also called a Futures Fixed Contract.
- ◆ The grain buyer purchases a futures contract to set the base price, but the basis has **NOT** been determined.
- ◆ The basis is usually determined at the time of final sale.

Buy a Put Option?

- ◆ When does the buyer of a put option make money?
- ◆ When does the buyer of a put option make a net gain?
- ◆ Why does this strategy work?

Strategies for Product Sellers



Caution

- ◆ All of these strategies assume that you have a relatively strong opinion about what direction prices will move (both futures and cash).
- ◆ Following a strong trend line is easy; picking the turns is hard.
- ◆ A large part of marketing strategies is also risk management.

Caution

- ◆ A “good” risk management strategy tests:
 - ◆ “What would happen if I made the ‘wrong’ decision?”
 - ◆ “Can I absorb the results of a ‘wrong’ decision?”
 - ◆ “Do the benefits of the risk management strategy outweigh the costs?”

Summary

- ◆ Knowing when to use the appropriate marketing tool can pay big dividends.
- ◆ Unfortunately, not all the crops grown in the Northern Plains have futures markets.
- ◆ This does not eliminate forward pricing opportunities, it just limits the available tools.

Questions & Comments?

Frayne Olson

Dept. of Agribusiness & Applied Econ.

NDSU Dept. 7110

P.O. Box 6050

Fargo, ND 58108-6050

701-231-7377

frayne.olson@ndsu.edu