

# Pervaide®



Pervaide is a combination tool made of Ag Concepts Enzyme Package and a Soil Penetrant to drive microbial activity and improve infiltration.

## ENZYME PACKAGE = MICROBE DRIVER

- Microbes are billions of soil production workers
  - 3-5 billion microbes in a teaspoon of soil
  - 9 thousand pounds of microbes per acre
- Microbes already live in your soil, like to work, and are native
- Cool temperatures stop microbes from working
- Microbe driver wakes up these workers earlier in the season, when it is cool, to get more work done for your crop.

## SOIL PENETRANT

- Better infiltration drives water deeper in profile
- Allows chemical and fertilizer to penetrate soil surface, preventing loss from runoff
- Brings moisture to lower half of root system; critical during periods of low water availability
- Yield is improved with adequate soil moisture during reproductive growth
- Opens soil pores providing water, oxygen and food to microbes

## RECOMMENDED RATES

**2 to 4 quarts per acre**

### PACKAGE SIZES

- 2 x 2.5 gallon jug
- 180 gallon pallet
- 270 gallon tote

### MAX TREATMENT

- 10 acres
- 360 acres
- 540 acres

## COMPATIBILITY

Pervaide can be mixed with some fertilizers, pesticides or other farm chemicals. Do not mix with fertilizers than contain phosphate. This product may act as a surfactant when mixed herbicides or pesticides: always follow label instructions. Always perform a small scale compatibility test before tank mixing.

## SUGGESTED USE

Pervaide is most effective when applied as close to planting as possible. In-furrow applications are preferred when possible. Pervaide may be applied in broadcast applications in combination with non-phosphate starter fertilizer or herbicide. Pervaide is soil applied product and should be worked into the soil, irrigated into the soil, or taken in during a weather event. When using Pervaide to combat water penetration issues, multiple applications may be beneficial. To increase infiltration a ratio of 1 part Pervaide to 30 parts of water is preferred.

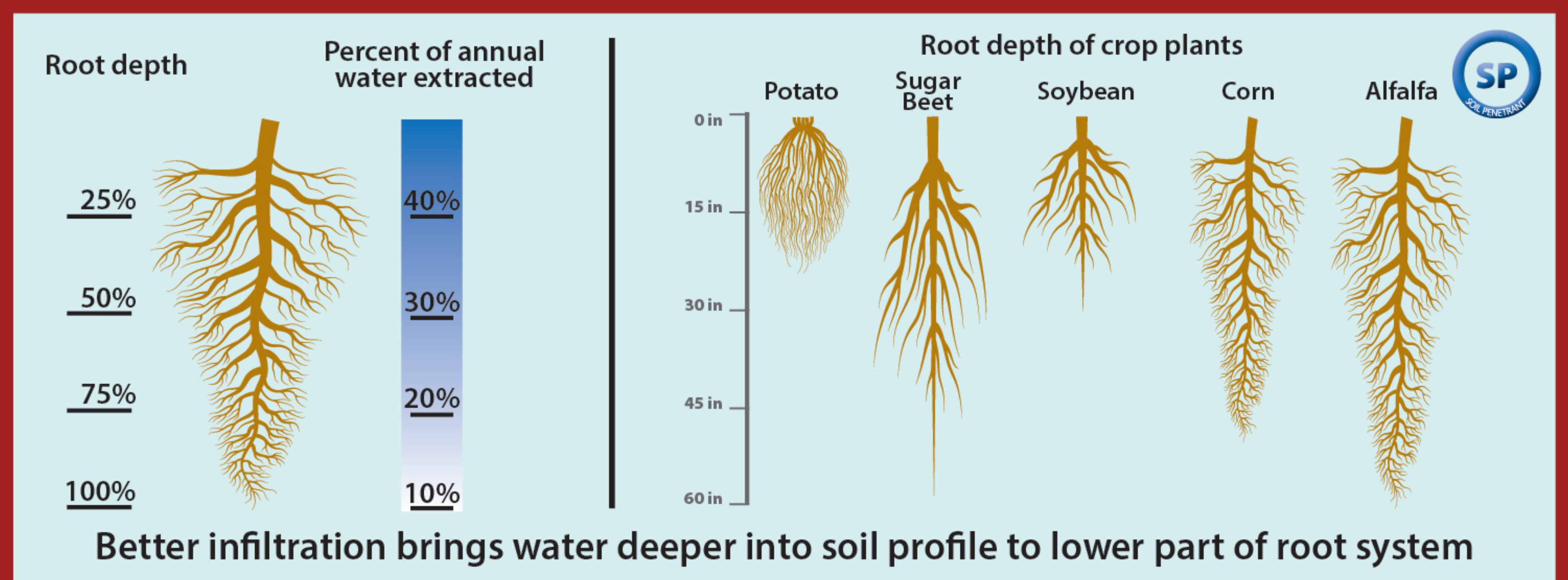
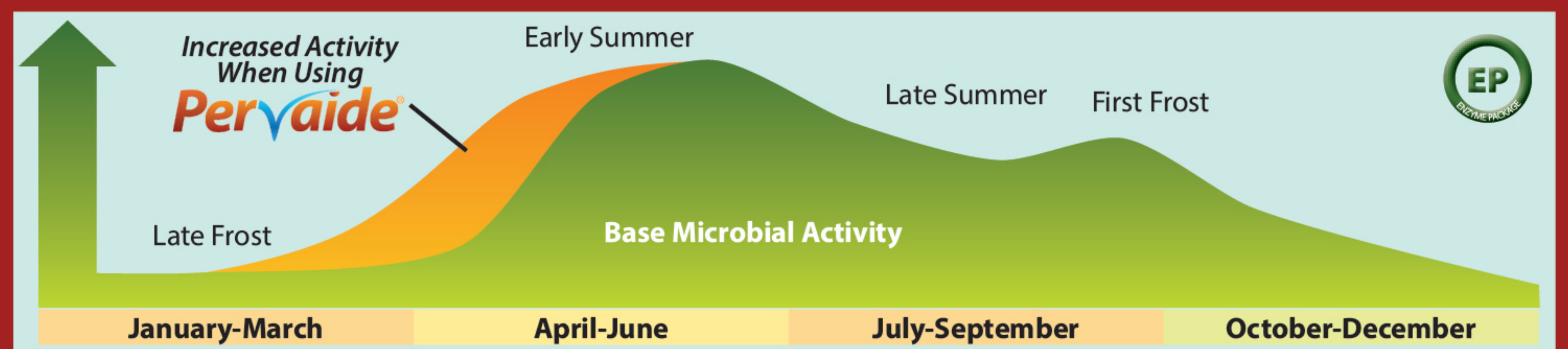
## APPLICATION METHODS

- Broadcast application, or in band over seed
- With first irrigation; repeat as needed
- With irrigation after cultivation, or when root crops are bulking
- Through irrigation six weeks before harvest

SCAN FOR CROP SPECIFIC APPLICATIONS



## SCIENCE



## Cumulative Water Infiltration at Kansas State University

2 Weeks After Treatment		1 Month After Treatment	
Control	<b>Pervaide</b>	Control	<b>Pervaide</b>
0.80 cm/hr	<b>1.30 cm/hr</b>	1.43 cm/hr	<b>1.76 cm/hr</b>

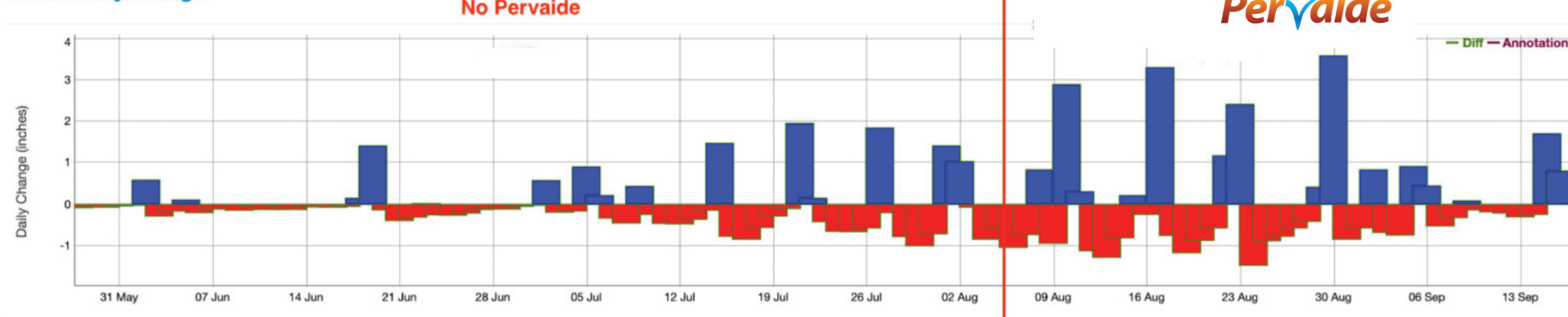
Statistically Significant Increase



# In-Field Response

20% less water applied per pass resulted in 2x the amount of water entering the soil

Profile Daily Change



Handwritten data for the corn ears:

648	684
592	702
608	684
594	630
624	630
608	592
492	624
504	684
560	560
544	624
512	592
504	630
518	592
528	576
464	648
592	464

Check | Pervaide

Jim W. Morris MN 10-10-23

Avg Kernel/Ear 555.75	Avg Kernel/Ear 619.75
Est. yield 204bu	Est. yield 227bu
	+23bu w/ Pervaide

CLIMATE FIELDVIEW

Yield Report by Hybrid

Jaycob O'Hanlon's Operation • Jan North • 2022 Corn

91.5 ac Harvested	1,246,900 lbs Wet Weight	16.2 % Moisture	22,073 bu Yield	241 bu/ac Average Yield
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Hybrid	Avg. Yield	Harvested ac
211-66VT2PervaideP40	251	38.2
211-66VT2P40	234	53.3

Hybrids with less than 0.1 acres harvested are not included in table rows.



Beatrice, NE August 2024

Check	Pervaide
632 kernel average	727 Kernel average

Check | Pervaide

Rutland, SD 8-16-2023

CHECK	Pervaide
215 PODS	362 PODS

CHECK | Pervaide

FOR MORE DATA AND THE SCIENCE OF PERVAIDE SCAN HERE:

