

# Soft Rock Phosphate

(0.5 - 24 - 0.5- 31ca + 55 trace elements)

**Soft Rock Phosphate** contains 24% P2O5, 31% Ca and 55 trace elements. It's a critical element in building soil phosphate levels. SRP is colloidal in nature meaning that it is surrounded by a carbon. The carbon slows the release of the SRP and prevents the tie up with soil Ca and Mg. MAP and DAP are very soluble in the soil and can tie up rapidly in high calcium soils. SRP is pelletized for easy application using a fertilizer applicator or with a strip-till unit. SRP is available in bulkloads or 2200 lb totes.

## BENEFITS OF SOFT ROCK PHOSPHATE:

- Natural low salt plant nutrient source
- Provides plant available P, Ca and 55 trace elements
- Slow release so it doesn't tie up with soil Ca and offers an excellent way to build soil P levels
- The P and Ca in SRP are an excellent way to build plant quality, nutrition and test weight
- Maximize the plant's ability to overcome in-season stresses

## SUGGESTED APPLICATION:

**Soil:** Apply broadcast at 200–500 lbs/A depending on soil test analysis

**Strip-Till:** Apply at 200-400 lbs/A depending on soil test analysis

*\*Can be approved for organic production*

## HOW ARE YOU GETTING THOSE TEST WEIGHTS?

### 3 Reasons People Are Talking About Soft Rock Phosphate

When Matt Wangen hauls his corn to the elevator, it often sparks conversations. “A lot of times the people at the elevator comment on my corn's test weight,” said Wangen, whose corn often reaches the 59 to 60+ pound range.

That's just one of the advantages that Wangen has noticed since he started applying soft rock phosphate (SRP) fertilizer. He tried SRP from ProfitProAG around 2017-18, when he applied it to soybean ground he was planting to corn the next growing season.

“That was some of the best corn I've ever grown,” said Wangen, who farms near Albert Lea, Minnesota. “A lot of the corn yielded 285 bushels per acre, and two varieties went over 300 bushels.”

Wangen has continued to apply SRP each year—with good results. “The corn plants stay green from top to bottom a lot longer into the fall,” Wangen said. “This means they're continuing to add test weight. I've also found that the storability of the grain is better, plus the grain is more nutrient dense.”

Even better, you don't have to wait to see results after applying SRP. “The nutrients in the SRP are a lot more available in year one, compared to other phosphorus fertilizers out there,” said Wangen. “That means you can sometimes apply less SRP per acre.”



# 3 Reasons To Try Soft Rock Phosphate

SRP formed millions of years ago in parts of the western United States. In these regions, nature left phosphate residues from marine life that thrived there eons ago. Today, this elemental phosphorus is mined in Idaho.

Known as SRP, this product provides a proven, effective fertilizer for crop production, noted Dennis Klockenga, a crops specialist with ProfitProAG. He sees three reasons to give SRP a try:

1. SRP isn't just phosphorus. SRP contains 55 different trace elements that plants need, including calcium, Klockenga said. "You get an array of nutrients with SRP that you don't get in MAP or DAP. That includes free calcium, which be especially useful in soils with a pH of 7 or lower."
2. SRP feeds plants faster. Fertilizers like MAP and DAP are treated with high rates of acid to give them a higher percentage of phosphorus, Klockenga said. While MAP and DAP release phosphorus quickly, the nutrient is not as readily available to plants as you might think. "Phosphorus from MAP and DAP gets tied up by calcium," Klockenga said. "This isn't an issue with SRP." Instead, SRP holds calcium in the soil. "This interaction helps you build soils that are capable of producing nutrient-dense foods," he added.
3. SRP stays put. Because of its properties, SRP "sticks" to the soil. Its benefits shine when combined with other soil-building solutions, including cover crops. "The more organic matter and humus you have in the soil, the better this holds the nutrients in place," Klockenga said. "Also, you need the biology, including fungi, in a healthy soil to break down SRP. This releases the phosphorus and offers one of the best ways to build soil nutrient levels."

## How to apply

ProfitProAG sells tote bags and bulk packages of SRP prills that can be spread like any other dry fertilizer. "It works best when SRP is applied in the fall," said Klockenga, who noted that SRP can be banded or broadcast.

SRP is also price competitive, compared to other fertilizers. Based on typical application rates (which range from 250 to 300 pounds per acre for SRP), the cost to apply SRP is \$60 to \$65 per acre. This is cheaper than a MAP application, which is roughly \$70.50 acre, based on the current price of MAP at \$940 an acre at 150 pounds per acre. "With fertilizer prices going crazy, SRP is a good option." Klockenga said.

## Let's talk

With the soaring cost of fertilizer, you need to get the most from your fertilizer investment. To learn more about how SRP can fit into your soil fertility program, contact Dennis Klockenga at 320-333-1608. For more information on ProfitProAG's crop production solutions, click here or go to:

<https://profitproag.net/crop-production/>.



SRP Prills



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