



**Data shows that over 84% of human-caused wildfires are ignited in high-risk areas adjacent to roadsides and under utility lines.**

## WILDFIRE PREVENTION & ASSET PROTECTION



**PHOS-CHEK® LONG-TERM RETARDANTS CAN HELP PREVENT FIRES FROM STARTING AND HELP PROTECT ASSETS FROM APPROACHING FIRES.**

For nearly 60 years, PHOS-CHEK products have been applied from the air by the world's largest fire management agencies. PHOS-CHEK ground applied products have shown the same superior performance, adding precise, cost-effective placement and the ability to apply retardant in advance of fire at night and during low visibility conditions such as smoke inversions.

PHOS-CHEK long-term retardants can help prevent the start of wildfires by treating wildland fuels in place and helping to

render them non-flammable. They can be applied by almost any standard equipment that sprays, including Perimeter Solutions' custom ground applied equipment. All products have a high level of fire retardant effectiveness, with differences in product form, adherence to vegetation and durability through weathering.

Today, Perimeter Solutions offers a comprehensive range of ground applied fire retardants – PHOS-CHEK® FORTIFY® for extended protection and PHOS-CHEK® LCE20-Fx and PHOS-CHEK® 259-Fx technologies for fast application during scheduled burn or emerging wildfire conditions.

**PRODUCT OPTIONS/ATTRIBUTES**

<b>PHOS-CHEK FORTIFY</b>	<b>Remains effective even after a significant rain event<sup>1</sup>; Uncolored; Superior adherence to fuel compared to other long-term retardants<sup>1</sup>.</b>
<b>PHOS-CHEK LCE20-Fx / PHOS-CHEK 259-Fx</b>	<b>Effective up to 1/4" rain<sup>1</sup>; Fugitive color</b>

All PHOS-CHEK products are listed on the USDA Forest Service Qualified Products List (QPL) and are the fire retardants of choice for all public lands. PHOS-CHEK FORTIFY is the most durable product to rainfall with the highest adherence.

\*This statement is made based on a light to moderate rain event over a number of hours. It does not take into account wind, severe or multiple rain events or other similar or extreme conditions that may vary the effectiveness of the product.

<sup>1</sup>Proceedings of the National Academy of Sciences.



## DID YOU KNOW?

### PHOS-CHEK FORTIFY CAN BE USED TO PREVENT UNWANTED WILDFIRE IGNITIONS:

- Utilities can use PHOS-CHEK FORTIFY to help prevent ignitions from utility infrastructure and protect critical assets
- Railroads can apply PHOS-CHEK products along railways to protect surrounding vegetation from sparks
- PHOS-CHEK FORTIFY can be applied on roadsides, where most wildfires are ignited
- Wildfires caused by hot work (welding, pipeline) can be prevented by applying PHOS-CHEK FORTIFY
- PHOS-CHEK FORTIFY applied around campgrounds can make them safer by making surrounding vegetation non-flammable

### PHOS-CHEK FORTIFY CAN PROACTIVELY PROTECT IMPORTANT ROUTES AND STRUCTURES, INCLUDING:

- Critical ingress and egress routes
- Communication towers and comms sites
- Around homes after completing Firewise USA® approaches and creating defensible space
- Additional defensible space around buildings

### PHOS-CHEK FORTIFY OR PHOS-CHEK LCE20-Fx COULD BE USED AT THE START OF AN ACTIVE FIRE:

- To protect untreated ingress and egress routes
- Create safety zones for firefighters
- Protect cellulosic structures
- Applied to the first 100 feet into commercial timber and around mills
- Emergency protection around homes and assets
- Utility pole protection program
- Wooden bridge structures

### PHOS-CHEK FORTIFY AND PHOS-CHEK LCE20-Fx PLAY A CRITICAL ROLE WITH PRESCRIBED BURNS. THEY CAN BE APPLIED:

- Around the roots of trees
- To protect sensitive habitat in burn areas
- Maintain habitat for animals (e.g. pheasants)
- Around buildings, cultural sites
- On each side of the fire break to help prevent escape

### APPLYING PHOS-CHEK LCE20-Fx FROM THE GROUND DURING AN ACTIVE FIRE CAN HELP SUPPRESS THE FIRE:

- It can be applied to create lines at night and support night retardant drops
- Ladder fuel and heavy ground fuel
- It can contain grass fires where air tankers may not drop



**Trusted. Solutions That Save.**

#### FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:  
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