

FIRE FACTS

Lesson 4: Wildfire & Your Yard



Pre-lesson Questions

How far can a fire ember travel and start another fire?

Where and why do fires start on the farm/ranch?

What does it take to keep the items of value in your yard from catching or spreading fire?

How fast do fires spread?



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Where & why do fires starts in the farm/ranch yard?

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Electrical



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Conduction



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Chemical



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Combustion



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Friction



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Fuel continuity



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Identify examples of continuity in your yard



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Two things your yard is made of

Fuel



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Two things your yard is made of

Fuel

Fuel Breaks



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Identify the fuel in this picture



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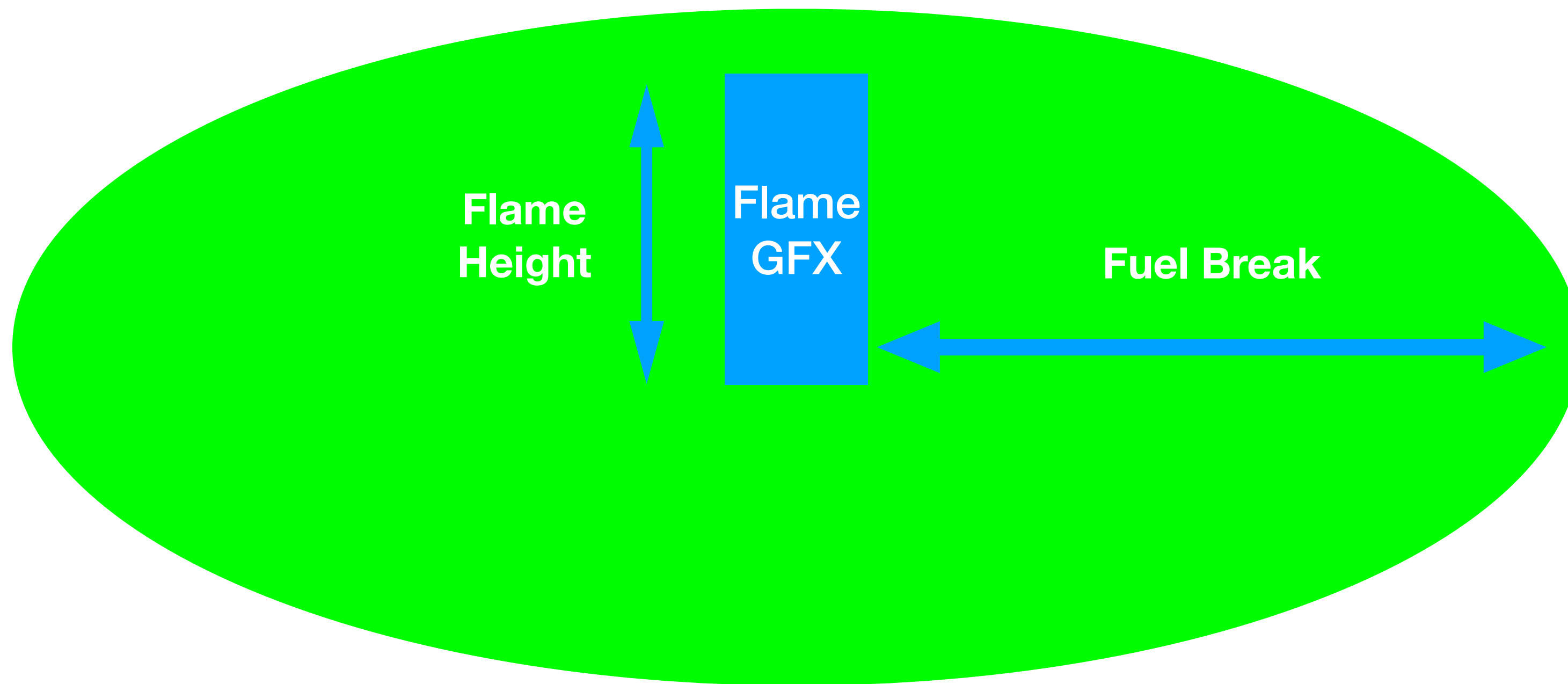
Identify the fuel breaks in this picture



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Determining the size of a fuel break when no wind is present

Source Flame Height x 4 = Fuel Break Size



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Factors that affect rate of fire spread

Continuity



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Factors that affect rate of fire spread

Continuity

Wind Speed & Direction



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Factors that affect rate of fire spread

Continuity

Wind Speed & Direction

Fuel Moisture



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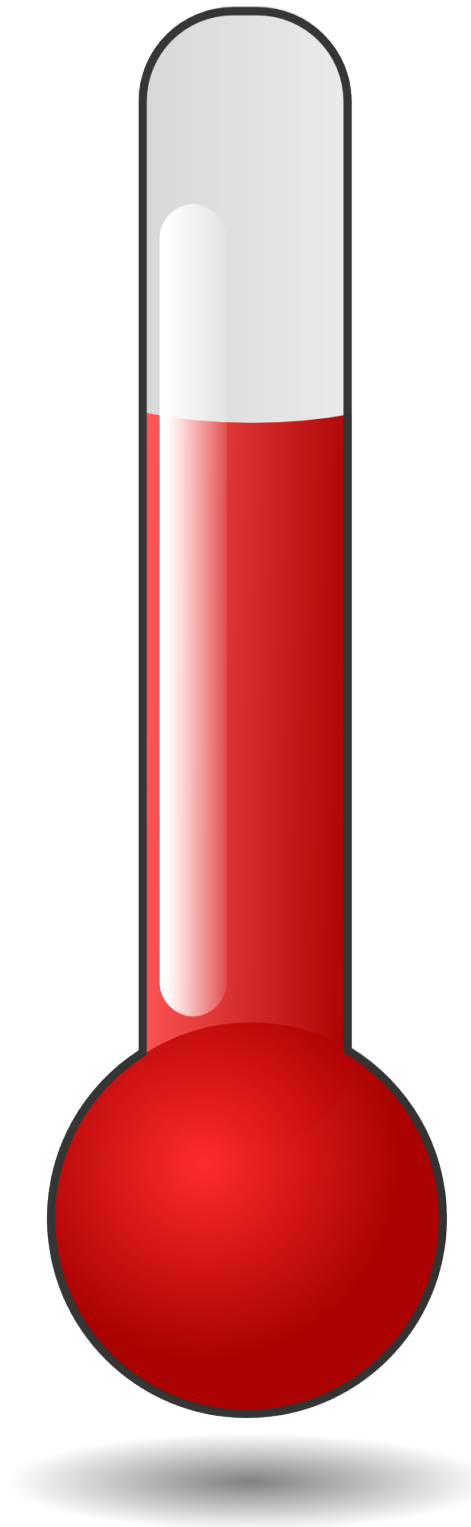
Factors that affect rate of fire spread

Continuity

Wind Speed & Direction

Fuel Moisture

Temperature



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How to prevent fires in the yard

Proper maintenance



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How to prevent fires in the yard

Proper maintenance

Clean your yard



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How to prevent fires in the yard

Proper maintenance

Clean yard

Make repairs in a fuel break or clear zones



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How to prevent fire spread in the yard

Maintain Fuel breaks



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How to prevent fire spread in the yard

Maintain fuel breaks

Keep a clean yard



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How to prevent fire spread in the yard

Maintain Fuel breaks

Clean yard

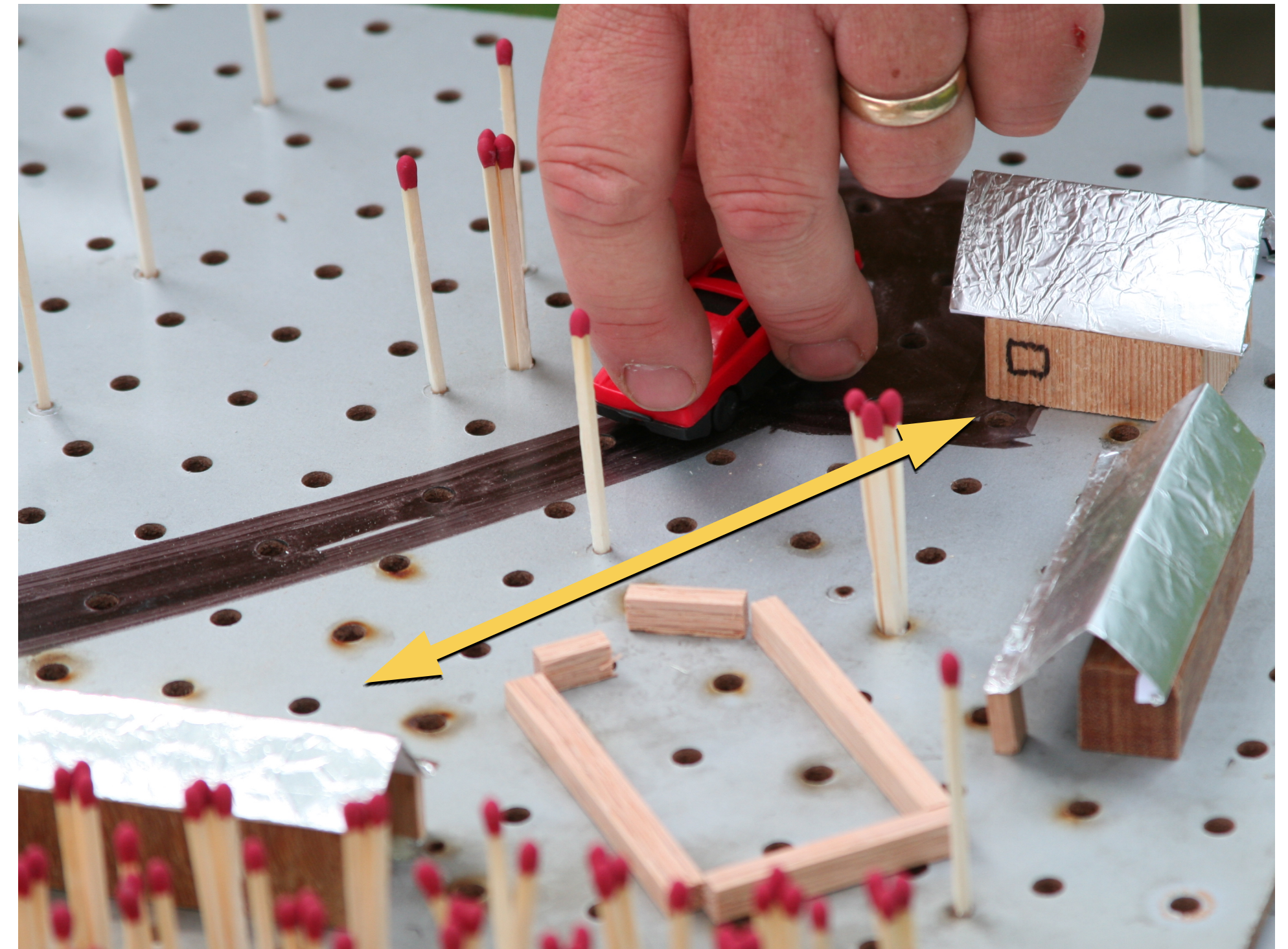
Adequate spacing of fuel



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Steps you need to take to protect your yard

Calculate fuel breaks

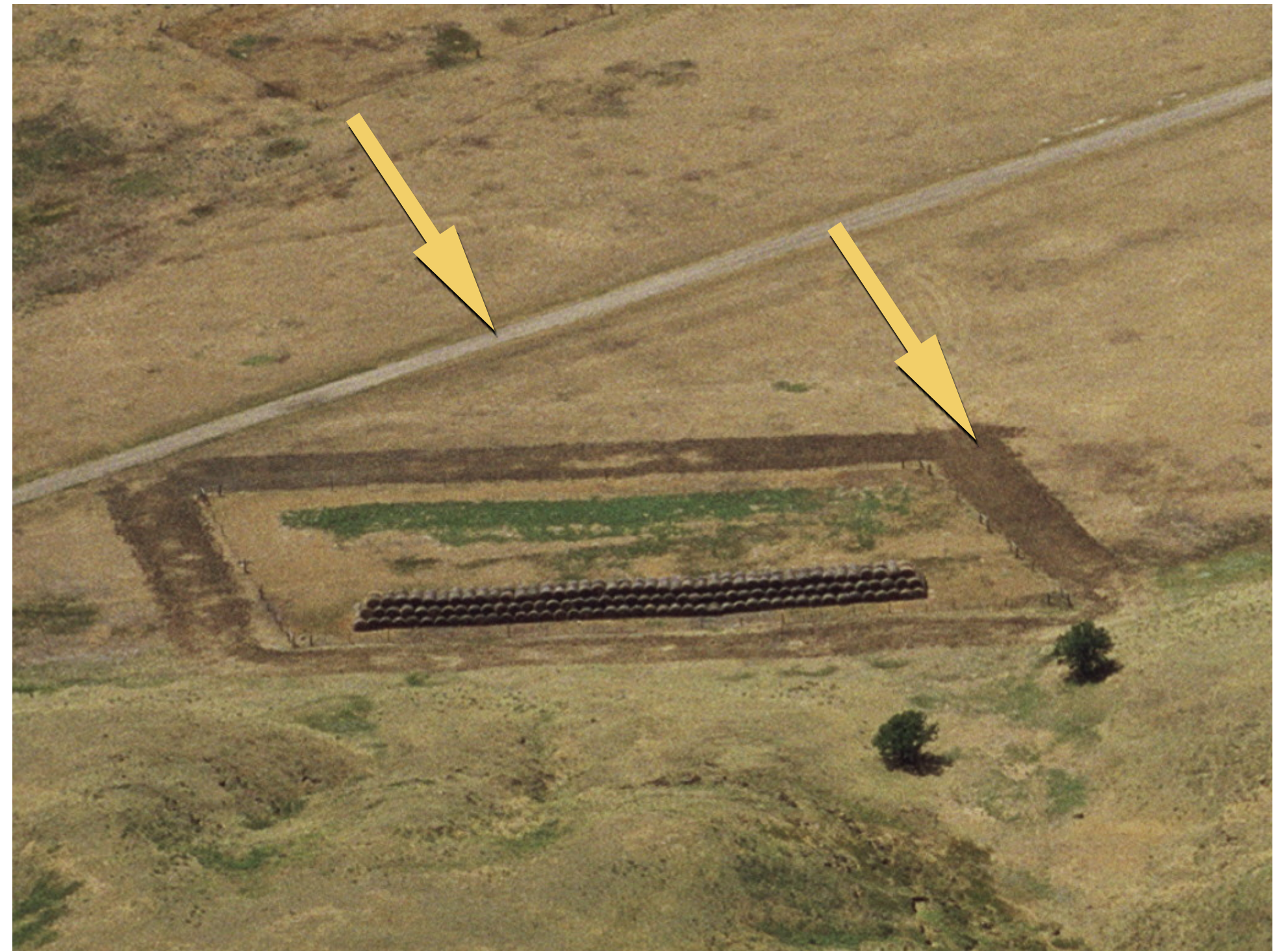


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Steps you need to take to protect your yard

Calculate fuel breaks

Place fuel breaks



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Steps you need to take to protect your yard

Calculate fuel breaks

Place fuel breaks

Maintain fuel breaks



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Fire Plan

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First Action

One attempt at putting out fire if you are present when it starts and practical to do so

Move to safe location

Call fire resources

Move hazards/items of value if possible and be safe



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Who to call

911/Fire Department

Neighbors in the path of fire

Family

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What to communicate

Location

Size

Direction of Spread

Hazards

Water Sources

