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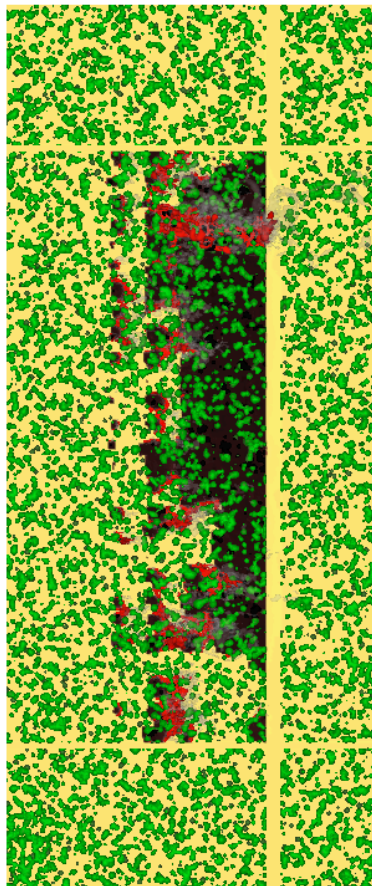
2016 Institutional Computing Progress Report for w14_firetec

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FIRETEC simulations to explore prescribed fire ignition methods to achieve burning objectives (understory reduction, ecosystem health) but minimize risk of escaped fire

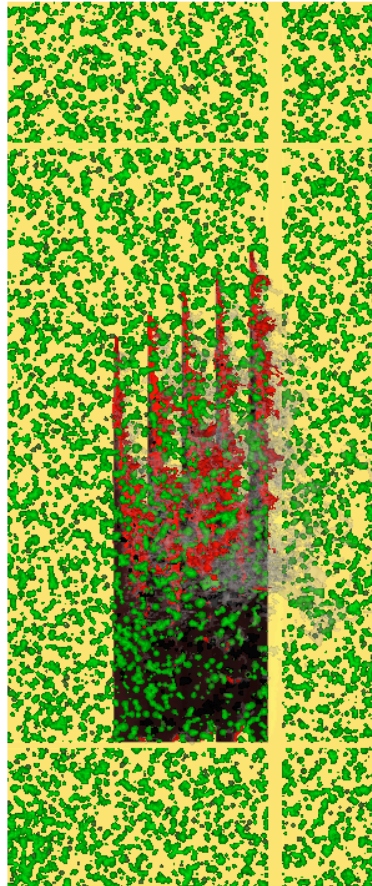
In 2015, ~3M acres were burned in 37,262 prescribed fires on US landscapes

midstory, dry - in-line spot - 12mph - ~500s



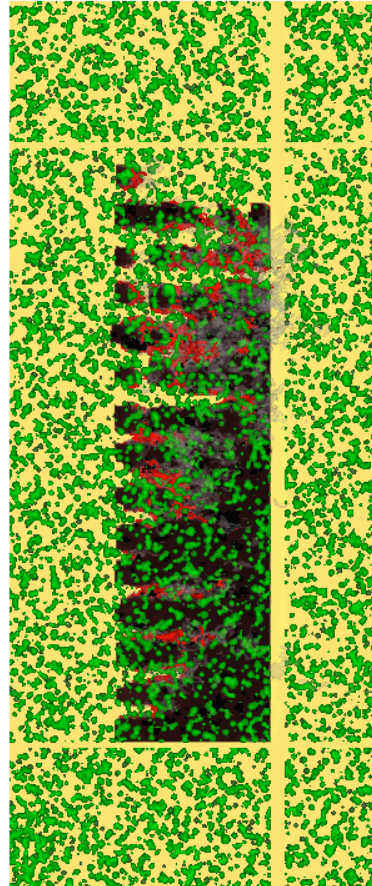
Helicopter in-line spot ignition – 500s after ignition

midstory, dry - strip - 12mph - ~200s



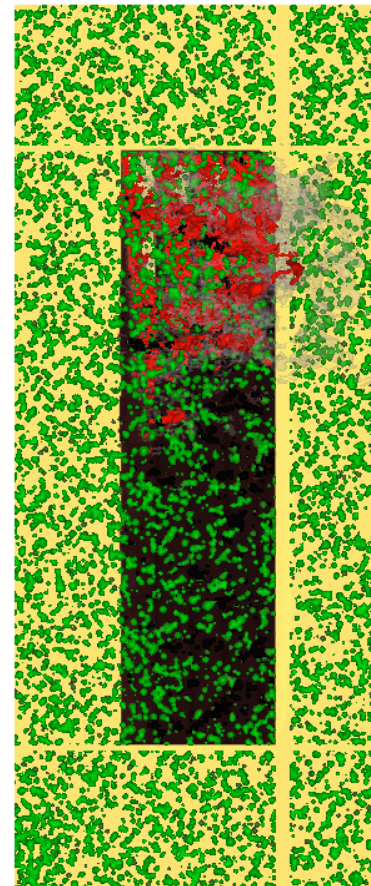
5 ATV strip ignition – 200s after ignition

midstory, dry - dash (14m) - 12mph - ~400s



5 ATV dashed strip ignition – 400s after ignition

midstory, dry - closed flank strip - 12mph - 300s



Closed flank 5 ATV strip ignition – 300s after ignition