



REVELATION

*A Survival Manual
for the End of the Age*

Pastor Michael Cranford

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Schedule

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| September 14 | Introduction: Cultural Markers, Rev I |
| September 21 | Rev I |
| September 28 | Rev 2-3 |
| October 5 | Rev 4-6a |
| October 12 | OFF (Baptism) |
| October 19 | OFF (Pastor Michael at a conference) |
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The First Half of the Tribulation

1st Seal: Antichrist (Peaceful conquest) (Rev 6:1-2; Matt 24:5; 2 Thess. 2:3-4)

I watched as the Lamb opened the first of the seven seals. Then I heard one of the four living creatures say in a voice like thunder, "Come!" I looked, and there before me was a white horse! Its rider held a bow, and he was given a crown, and he rode out as a conqueror bent on conquest. (Rev 6:1-2)

For many will come in my name, claiming, 'I am the Messiah,' and will deceive many. (Matt 24:5)



The First Half of the Tribulation

1st Seal: Antichrist (Peaceful conquest) (Rev 6:1-2; Matt 24:5; 2 Thess. 2:3-4)

Now, brothers and sisters, about times and dates we do not need to write to you, for you know very well that the day of the Lord will come like a thief in the night. While people are saying, “**Peace and safety**,” destruction will come on them suddenly, as labor pains on a pregnant woman, and they will not escape. (1 Thes 5:1-3)

Don't let anyone deceive you in any way, for that day will not come until the rebellion occurs **and the man of lawlessness is revealed**, the man doomed to destruction. (2 Thess 2:3)

The First Half of the Tribulation

2nd Seal: War (Rev 6:3-4; Matt 24:6-7a)

When the Lamb opened the second seal, I heard the second living creature say, “Come!” Then another horse came out, a fiery red one. Its rider was given power to take peace from the earth and to make people kill each other. To him was given a large sword. (Rev 6:3-4)

You will hear of wars and rumors of wars, but see to it that you are not alarmed. Such things must happen, but the end is still to come. Nation will rise against nation, and kingdom against kingdom. (Matt 24:6-7a)

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from **National Security and Defense Program**

The Risk of Nuclear War Continues to Rise

Article by **Lori Esposito Murray**, Author
Originally published at **The Hill**

January 28, 2025 4:48 pm (EST)



Russian President Putin Speaking at a Press Conference Alexander Demianchuk/REUTERS

As the world became more dangerous in 2024, the use of its most dangerous weapons has become more likely.

This trajectory raises the stakes for the new Trump administration as it tries to end wars in Europe and the Middle East and, more broadly, to reverse the ominous path toward the use and proliferation of nuclear weapons that has been accelerated by these conflicts.

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The First Half of the Tribulation

3rd Seal: Famine (Rev 6:5-6; Matt 24:7b)

When the Lamb opened the third seal, I heard the third living creature say, “Come!” I looked, and there before me was a black horse! Its rider was holding a pair of scales in his hand. Then I heard what sounded like a voice among the four living creatures, saying, “Two pounds of wheat for a day’s wages, and six pounds of barley for a day’s wages, and do not damage the oil and the wine!” (Rev 6:5-6)

There will be **famines** and earthquakes in various places. All these are the beginning of birth pains. (Matt 24:7b-8)



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SCIENCE

Nuclear winter would bring mass starvation and death for years post-war, startling new study reveals: ‘We must be prepared’

By Ben Cost

Published Aug. 11, 2025, 9:34 a.m. ET

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Today's Video Headlines



It would be a-crop-alyptic.

Amid rising tensions around the world, Penn State University scientists have revealed what the fallout would be from a nuclear war — with an unfathomable famine, mass deaths and a particular impact on an important crop after the bombs went off.

According to the dystopian study, published in the journal [Environmental Research Letters](#), the destruction would “extend well beyond the blast zones” because of nuclear winter, a catastrophic theoretical scenario

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LETTER • OPEN ACCESS

Adapting agriculture to climate catastrophes: the nuclear winter case

Yuning Shi, Felipe Montes, Francesco Di Gioia, Lili Xia, Charles G Bardeen, Charles T Anderson, Yolanda Gil, Deborah Khider, Varun Ratnakar and Armen R Kemanian*

Published 13 May 2025 • © 2025 The Author(s). Published by IOP Publishing Ltd

Environmental Research Letters, Volume 20, Number 6

Citation Yuning Shi et al 2025 Environ. Res. Lett. 20 064006

DOI 10.1088/1748-9326/adcfb5



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Abstract

Following a nuclear war, destruction would extend well beyond the blast zones due to the onset of a nuclear winter that can devastate the biosphere, including agriculture. Understanding the damage magnitude and preparing for the folly of its occurrence are critical given current geopolitical tensions. We developed and applied a framework to simulate global crop production under a nuclear winter using the Cycles agroecosystem model, incorporating ultraviolet (UV)-B radiation effects on plant growth and adaptive selection of crop maturity types (shorter cycle the lower the temperature). Using maize (*Zea mays* L.) as a sentinel crop, we found that annual maize production could decline from 7% after a small-scale regional nuclear war with 5 Tg soot injection, to 80% after a global nuclear war with 150 Tg soot injection, with recovery taking from 7 to 12 years. UV-B damage would peak 6–8 years post-war and can further decrease annual maize production by 7%. Over the recovery period, adaptive selection of maize maturity types to track changing temperatures could increase production by 10% compared to a no-adaptation strategy. Seed availability may become a critical adaptation bottleneck; this and prior studies might underestimate food production declines. We propose that adaptation must include the development of Agricultural Resilience Kits consisting of region- and climate-specific seed and technology packages designed to buffer against uncertainty while supply chains recover. These

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The First Half of the Tribulation

4th Seal: Plague/Mass Death (Rev 6:7-8; Matt 24:7b)

When the Lamb opened the fourth seal, I heard the voice of the fourth living creature say, “Come!” I looked, and there before me was a pale horse! Its rider was named Death, and Hades was following close behind him. They were given power over a fourth of the earth to kill by sword, famine and plague, and by the wild beasts of the earth. (Rev 6:7-8)



Plague



AUGUST 13, 2024

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AI and the Evolution of Biological National Security Risks

Capabilities, Thresholds, and Interventions

By: [Bill Drexel](#) and [Caleb Withers](#)



Executive Summary

Not long after COVID-19 gave the world a glimpse of the catastrophic potential of biological events, experts began warning that rapid advancements in artificial intelligence (AI) could augur a world of bioterrorism, unprecedented superviruses, and novel targeted bioweapons. These dire warnings have risen to the highest levels of industry and government, from the CEOs of the world's leading AI labs raising alarms about new technical capabilities for would-be bioterrorists, to Vice President Kamala Harris's

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The First Half of the Tribulation

5th Seal: Martyrdom (Rev 6:9-11; 7:9-17; Matt 24:9)

When he opened the fifth seal, I saw under the altar the souls of those who had been slain because of the word of God and the testimony they had maintained. They called out in a loud voice, “How long, Sovereign Lord, holy and true, until you judge the inhabitants of the earth and avenge our blood?” Then each of them was given a white robe, and they were told to wait a little longer, until the full number of their fellow servants, their brothers and sisters, were killed just as they had been. (Rev 6:9-11)

“Then you will be handed over to be persecuted and put to death, and you will be hated by all nations because of me.” (Matt 24:9).

The First Half of the Tribulation

6th Seal: Cataclysmic effects (Rev 6:12-17; Matt 24:7b)

¹² I watched as he opened the sixth seal. There was a great **earthquake**. The **sun turned black** like sackcloth made of goat hair, **the whole moon turned blood red**, ¹³ and the stars in the sky fell to earth, as figs drop from a fig tree when shaken by a strong wind. ¹⁴ The heavens receded **like a scroll being rolled up**, and every mountain and island was removed from its place. (Rev 6:12-14)

There will be famines and **earthquakes** in various places. (Matt 24:7b)

The First Half of the Tribulation

6th Seal: Cataclysmic effects (Rev 6:12-17; Matt 24:7b)

“Immediately after the distress of those days ‘the sun will be darkened,
and the moon will not give its light;
the stars will fall from the sky,
and the heavenly bodies will be shaken.’” (Matt 24:29)



The First Half of the Tribulation

6th Seal: Cataclysmic effects (Rev 6:12-17; Matt 24:7b)

¹⁰ Before them the earth shakes,
the heavens tremble,
the sun and moon are darkened,
and the stars no longer shine.

¹¹ The LORD thunders
at the head of his army;
his forces are beyond number,
and mighty is the army that obeys his command.

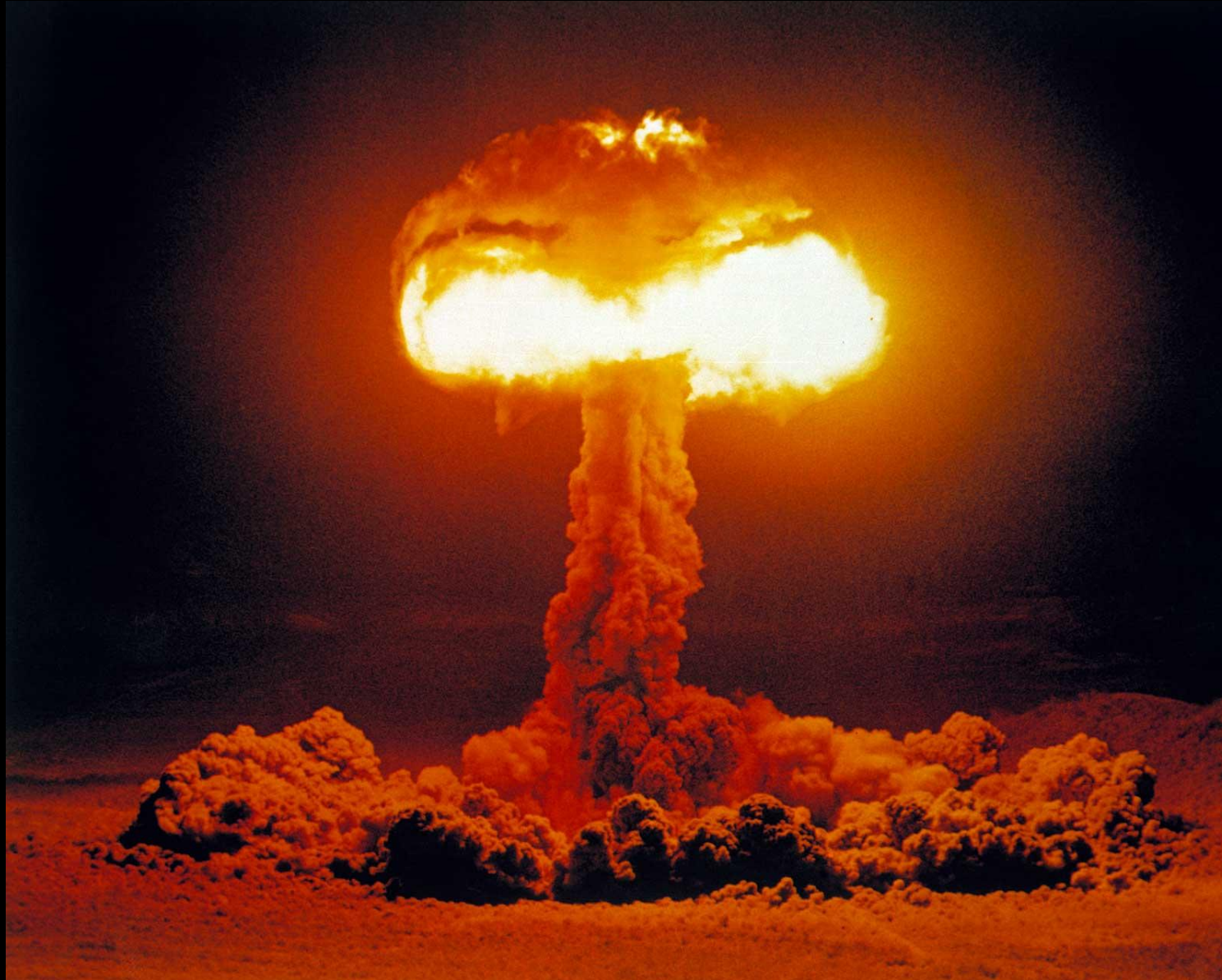
The day of the LORD is great;
it is dreadful.

Who can endure it? (Joel 2:10-11)

³¹ The sun will be turned to darkness
and the moon to blood
before the coming of the great and dreadful day of
the LORD.

³² And everyone who calls
on the name of the LORD will be saved;
for on Mount Zion and in Jerusalem
there will be deliverance,
as the LORD has said,
even among the survivors
whom the LORD calls. (Joel 2:31-32)

“Like a scroll being rolled up”



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On Top of Everything Else, Nuclear War Would Be a Climate Problem

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By Robinson Meyer



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Billions Could Die Globally in Two-Nation Nuclear War Just From Starvation

New study says more than 5 billion could die if the United States and Russia engage in nuclear war

 BY [TIM NEWCOMB](#) PUBLISHED: AUG 17, 2022

SAVE ARTICLE



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- The impact on food crops from even two nations engaging in nuclear war could have a deadly global impact, according to a [new study published in Nature Food](#).

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The Medical Implications of Nuclear War.

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Possible Toxic Environments Following a Nuclear War

John W. Birks, PH.D., and Sherry L. Stephens

University of Colorado, Boulder, Colorado

The Medical Implications of Nuclear War, Institute of Medicine. © 1986 by the National Academy of Sciences. National Academy Press, Washington, D.C.

The direct effects of a nuclear war, the killing and maiming effects of the blast, the thermal pulse, prompt nuclear radiation, and fire storms, are too horrifying for the human mind to comprehend. Following a major nuclear war, approximately 1 billion people would be left dead, and millions more, probably hundreds of millions more, would be injured (Ambio, 1982, vol. 11, No. 2-3; Ehrlich et al., 1983; Harwell and Grover, 1985). Still, 3 to 4 billion people around the world would find themselves alive, once the thousands of megatons of nuclear energy had been released. It is this realization that makes it so important to consider what the long-term environmental effects of a nuclear war would be—not for the purpose of planning better bomb shelters and survival techniques, but in the hope that a clearer picture of life after a nuclear war may help provide the incentive necessary to bring about the "aroused understanding and insistence of the peoples of the world" (Einstein*), to bring nuclear weaponry under control.

Besides the destruction of shelter, food, means of transportation and communication, and radioactive contamination, nuclear war survivors would find their physical environment, particularly the atmosphere, radically changed. Dust lofted by the clouds generated by atomic bombs and especially smoke from fires in cities, forests, industries, and oil refineries would darken the sky. A simple calculation, in which one takes the total amount of smoke (about 200 million metric tons) that might be introduced into the atmosphere by the nuclear war fires and distributes it uniformly over the middle half of the Northern Hemisphere, indicates that more than 99 percent of the sunlight would be absorbed by the smoke cloud (Crutzen and Birks, 1982; Turco et al., 1983; National Research Council [NRC], 1985). Although smoke highly absorbs the visible region of the solar spectrum, it is relatively transparent to the infrared region. As a result, land surfaces would cool, particularly near the interiors of continents where the buffering action of the oceans would be less effective. This nuclear winter effect is the exact opposite of the greenhouse effect which maintains most of the Earth's surface at above-freezing temperatures during the warmer seasons.

[Nuclear winter](#) would have its greatest impact if the nuclear war occurred during the summer, because the incremental change in the amount of sunlight that would reach and warm the Earth's surface would be greatest then. Furthermore, during summer plants are not in their dormant states and would be most vulnerable to subfreezing temperatures. Of course, it is not possible to predict the season in which a nuclear war might break out.

The First Half of the Tribulation

Cut-scene: 144,000 are sealed to survive the seven years (Rev 7:1-4).

After this I saw four angels standing at the four corners of the earth, holding back the four winds of the earth to prevent any wind from blowing on the land or on the sea or on any tree. Then I saw another angel coming up from the east, having the seal of the living God. He called out in a loud voice to the four angels who had been given power to harm the land and the sea: “Do not harm the land or the sea or the trees until we put a seal on the foreheads of the servants of our God.” Then I heard the number of those who were sealed: 144,000 from all the tribes of Israel. (Rev 7:1-4)

The First Half of the Tribulation

From the tribe of Judah 12,000 were sealed,
from the tribe of Reuben 12,000,
from the tribe of Gad 12,000,
from the tribe of Asher 12,000,
from the tribe of Naphtali 12,000,
from the tribe of Manasseh 12,000,
from the tribe of Simeon 12,000,
from the tribe of Levi 12,000,
from the tribe of Issachar 12,000,
from the tribe of Zebulun 12,000,
from the tribe of Joseph 12,000,
from the tribe of Benjamin 12,000. (Rev 7:5-8)

The First Half of the Tribulation

“I, the LORD, have called you in righteousness;
I will take hold of your hand.
I will keep you and will make you
to be a covenant for the people
and a light for the Gentiles,
to open eyes that are blind,
to free captives from prison
and to release from the dungeon those who sit in darkness.” (Isa. 42:6-7)



The First Half of the Tribulation

Heavenly scene: The martyrs from the Tribulation (Rev 7:9-17).

After this I looked, and there before me was a great multitude that no one could count, from every nation, tribe, people and language, standing before the throne and before the Lamb. They were wearing white robes and were holding palm branches in their hands. And they cried out in a loud voice: “Salvation belongs to our God, who sits on the throne, and to the Lamb.” (Rev 7:9-10)

The First Half of the Tribulation

Then one of the elders asked me, “These in white robes—who are they, and where did they come from?”

I answered, “Sir, you know.”

And he said, “These are they who have come out of the great tribulation; they have washed their robes and made them white in the blood of the Lamb.

(Rev 7:13-14)

