

What is this white and green growth seen after irrigation?

Short answer:

👉 This is **beneficial biological activity**, not a disease and not a problem.



What exactly is happening?

After the **second irrigation**, the furrows became moist and cooler. This created **ideal conditions for dormant soil life to wake up**.

The **white and green growth** you are seeing is mainly:

- **Fungal mycelium (white threads)**
- **Beneficial algae / early microbial colonies (green tint)**

These organisms appear **only when three things are present**:

1. Moisture
2. Oxygen
3. Organic residues or minerals

This means **your soil is alive and responding**.

Why did it appear now?

Because:

- The soil was previously dry and inactive
- Irrigation restored **water–air balance**
- Khapli wheat plot likely has **low chemical toxicity**
- The saffron colour indicates **iron / mineral exposure**, not damage

Biology always responds **before plants show visible change**.

Is this harmful to the crop?

✗ No. Absolutely not.

✓ In fact, it is **beneficial**.

This biological growth:

- Breaks minerals into plant-available form
- Improves soil aggregation
- Protects soil surface from crusting
- Supports root–microbe communication

Roots benefit directly from this activity.

Why do we not see this in conventional fields?

Because in conventional systems:

- Repeated flooding removes oxygen
- Chemicals suppress fungi and microbes
- Bare soil overheats and dries
- Biology is either killed or never allowed to establish

So farmers assume **clean soil = healthy soil**, which is incorrect.

PQNK perspective (پقنک)

Under پقنک, this is called **biological activation**, not infestation.

👉 Soil always shows life **before** plants show improvement.

👉 Biology appears first, yield follows later.

This is a **positive indicator**, not a warning sign.

What should the farmer do now?

✓ **Do nothing.**

✗ Do NOT spray anything.

✗ Do NOT disturb the soil.

✗ Do NOT flood again.

Let:

- Soil dry naturally
- Biology stabilize
- Roots interact freely

This growth will **self-regulate**.

One-line

یہ بیماری نہیں، یہ مٹی کی زندگی ہے۔
آپاشی کے بعد فائدہ مند فنگس اور مائیکروب جاگ گئے ہیں۔
پقنک میں یہ اچھی علامت ہے، مسئلہ نہیں۔

यह बीमारी नहीं है, यह मिट्टी की जीवन शक्ति है।
सिंचाई के बाद लाभकारी फंगस और सूक्ष्मजीव सक्रिय हो गए हैं।

प.प.क. में यह एक अच्छी निशानी है, कोई समस्या नहीं।

(“This is not a disease, it is soil life. After irrigation, beneficial fungi and microbes have become active. Under प.प.क., this is a good sign, not a problem.”)

Slightly deeper note

White mycelium indicates:

- Aerobic fungal dominance
- Improved carbon–mineral exchange
- Early-stage soil regeneration

Green tint suggests:

- Algal or cyanobacterial presence
- Nitrogen contribution at soil surface
- Moist but oxygenated conditions

Both disappear or stabilize naturally as the system balances.

Final reassurance

If soil shows life, crops will follow.

If soil looks dead, crops only survive on injections.

Applying PQNK without understanding nature's operating system will not deliver abundance, stability, or nutrient density.

*PQNK (pronounced "picnic")—the regenerative & sustainable **Pristine Organic Farming System**—is grounded in **Natural Ecosystem Science**. This science employs perennial biodiversity, protects soil with organic mulch, and avoids practices such as water inundation, tillage disturbance, and leaving soil bare.*

*It is the **process** that matters most. PQNK is a pristine production system designed not merely for yield, but for optimal, balanced output—where quality, sustainability, and ecological harmony emerge from a self-regulated, zero-external-input methodology.*

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