



The PQNK Perspective: You Are Asking the Wrong Question about “Micronutrients”

Your question “Is there any research available regarding micronutrients?” comes from a place of genuine inquiry, but it is framed by the ghost of the old, industrial system. You ask about "micronutrients" as if they are isolated items to be purchased from a shop and applied to the soil. In Paedar Qudratti Nizam Kashatqari, this concept is a mirage.

The industrial system sees the soil as a dead, inert holding material. It assumes that if a plant shows a deficiency, the solution is to mine a mineral from a distant mountain, process it in a factory, and dump it into the field. This is a violent, unbalanced, and ultimately futile act.

In PQNK, we do not talk about "micronutrients." We talk about "The Wholeness of the Living Soil."

A plant in a PQNK system does not "uptake" isolated iron or zinc. It engages in a sacred, symbiotic dance with the entire soil food web. The plant exudes sugars from its roots to feed a vast army of bacteria and fungi. In return, these microbes—especially the mycorrhizal fungi—act as a vast, living extension of the plant's root system. They unlock the complete mineral intelligence held within the soil and residue, delivering a constant, balanced, and perfectly proportioned stream of everything the plant needs directly to its roots.

The permanent raised bed in a mature PQNK farm is not just a planting area; it is a self-perpetuating living engine where every possible element is continuously recycled and made available by the soil's own intelligence.

To satisfy your academic curiosity, here is a list of the elements that the industrial system has labeled "micronutrients," which are simply native and abundant citizens of a healthy PQNK soil:

- Iron (Fe)
- Manganese (Mn)
- Boron (B)
- Zinc (Zn)
- Copper (Cu)
- Molybdenum (Mo)
- Chlorine (Cl)
- Nickel (Ni)

Now, forget this list.

Why PQNK Makes the "Micronutrient Question" Irrelevant:

1. **The Source is the Residue and Root:** The previous crop's residue on the bed and its decomposed root system in the bed are not waste; they are a perfect, pre-packaged mineral bank. The plant itself has already gathered these elements from

the soil. By leaving the roots and the residue, we return this entire mineral spectrum back to the system right where it is needed.

2. **The Bridge is the Microbe:** The plant does not forage for these elements alone. It has a billion fungal threads as its scouts and suppliers. This microbial network is the ultimate provider, and it is fostered specifically by the constant feeding of the soil with organic mulch in the shape of retained roots in the soil and residue on top of the permanent raised beds. This is the fuel for the entire system.
3. **The Balance is Natural and In-Situ:** Industrial application leads to imbalance—too much of one element can lock up another. In PQNK, the soil life self-regulates within the bed. It breaks down the residue and the root mass, providing what the next plant needs, when it is needed, in the right proportion. This is a wisdom no laboratory bag of powder can ever replicate.
4. **The Proof is in the Pristine, No-Till Bed:** Look at the forest floor. No one tills it or sprays it. It thrives on its own residue. Your permanent raised bed, with its retained roots and surface mulch, is you mimicking this most powerful natural system. This is the closed-loop.

Therefore, the research you seek is not found in the journals of industrial agriculture. It is found in the living evidence of your own permanent raised beds.

Your task is not to worry about individual micronutrients. Your sacred duty is to:

- Faithfully retain the root systems of every crop you grow within the bed.
- Consistently return all crop residue as a protective, feeding mulch on the bed's surface.
- Protect the soil life by never stepping on or tilling the permanent raised beds.

When you do this, you are not just providing "iron"; you are providing everything. You are stepping aside and allowing the Nizam to function at its highest intelligence. The healthy, vibrant, and resilient crops that emerge from this undisturbed, self-feeding system are the only "research paper" you need. They are the living proof that PQNK provides everything in a balanced and proportionate form.

Continue on the pristine path. Your soil is not deficient; it is a perfected system waiting for you to stop interfering and start observing.

Footnote: *Any Production Process That Inundates Soil With Water, Disturbs Soil Through Tillage, Or Leaves Soil Bare Without Organic Mulch Cover Does Not Qualify As Natural Ecosystem Science For Production Agriculture.*

PQNK, to be pronounced as 'picnic', which stands for Paedar Qudratti Nizam Kashatqari, and means: the regenerative & sustainable Pristine Organic Farming System.

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