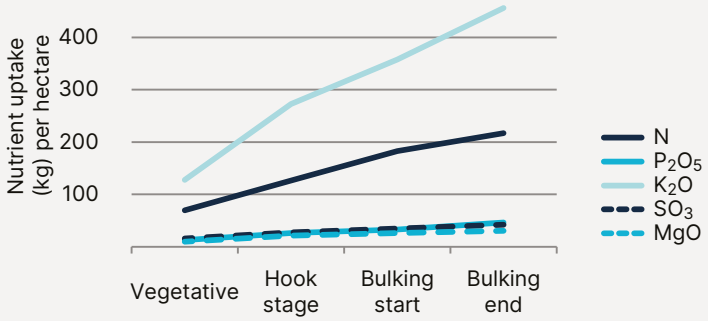
Crop Sheet Recommendation Program

Potato

Dynamic of nutrient uptake

- Nutrient uptake in potato increases at each phenological stage reaching a maximum during tuber filling.
- The main nutrient requirement throughout growth is potassium ranging from 54%-58% of nutrient uptake at each stage.
- The next most significant nutrient is nitrogen ranging from 27-30% of nutrient uptake.



Fertilization schedule

Much of the potassium, phosphate and nitrogen required for potato growth during later stages is supplied by granular and controlled release fertilizers administered at pre-planting. Further nutrition is supplied through foliar fertilizers from the "hook stage" (tuber initiation) through to the end of tuber bulking.

Granular & Controlled Release

PKplus	0-9-24+11CaO +3MgO+21SO_3	1000-1250 kg per ha				
Agromaster	30-0-0	600-750 kg per ha		2-3M		

Foliar

Agroleaf Power	Formula varies by stage		3-5 kg per ha 12-52-5 repeat once 8 days after first treatment	3-5 kg per ha 31-11-11 at mid-flowering. repeat twice at 10-14 days	3-5 kg per ha 15-10-31 at 10-14 day intervals	

Other options from the ICL portfolio for pre-planting

Potato includes a diversity of varieties, is grown in a wide variety of agroecosystems, for multiple uses (fresh, starch, processing) and target yields. Specific and differing needs therefore need to be considered in fertilization plans. These needs can be fulfilled with the below options:

Polysulphate	0-0-14 +48SO_3	300-500 kg per ha
PotashpluS	0-0-37+8CaO +3MgO+24SO_3	700-900 kg per ha
Agrocote	0-0-44	150-400 kg per ha

- Polysulphate for additional K, with a high proportion of secondary macronutrients, Ca and Mg, all as sulphate forms.
- PotashpluS, a combination of Polysulphate and potash (KCl)
- Agrocote, 100% coated N, for timely supply of N in the highest demanding and more challenging environments, such as sandy soils, and to cope with extended rainfall periods.

The above are general rates, for specific recommendations or more information consult www.icl-growingsolutions.com/contact-office/ for your contact in your region.