BASF
We create chemistry

Inovor

Innovative solution for wheat diseases.

Inovor – product profile

Active ingredients	Xemium® (fluxapyroxad)	30 g/l	systemic
	F 500® (pyraclostrobin)	200 g/l	systemic
	Propiconazole	125g/L	systemic – preventive & curative
Recommended dose rate	0,5 – 1,0 L/ha Max 1,0 L/ha		
Formulation type	Emulsifyable Concentrate (EC)		
Crop range	▪ winter wheat ▪ spring & winter barley ▪ triticale and rye		
Application window	▪ BBCH 30-69		
Disease range (PL)	▪ Septoria ▪ Brown rust ▪ Yellow rust ▪ DTR tan spot ▪ Rhynchosporium ▪ Net blotch ▪ Ramularia		

Inovor → active ingredients

	pyraclostrobin (F500®)	propiconazole	fluxapyroxad (Xemium®)
Inovor	200g/L	125g/L	30g/L

- The “best” active ingredient in QoI (strobilurines)
- Still important contribution of strobilurines (QoI) for **Septoria** control
- Relatively high amount of F500® → AgCelence/physiological effects in plants

- Very well known azole with reliable efficacy
- Very good activity against DTR **tan spot** (Pyrenophora tritici-repentis)

- XEMIUM® - the newest, powerful SDHI from BASF
- The best active ingredient in SDHI class

BAS 734 00 F contains three different fungicide mode of actions: SDHI (fluxapyroxad); QoI/strobilurines (pyraclostrobin) & DMI/azoles (propiconazole)

Inovor→ what makes this product unique

→ It's a formulation of three active ingredients with different mode of actions (SDHI, Qol/strobilurine and DMI/azole) → **3 way's formulation**

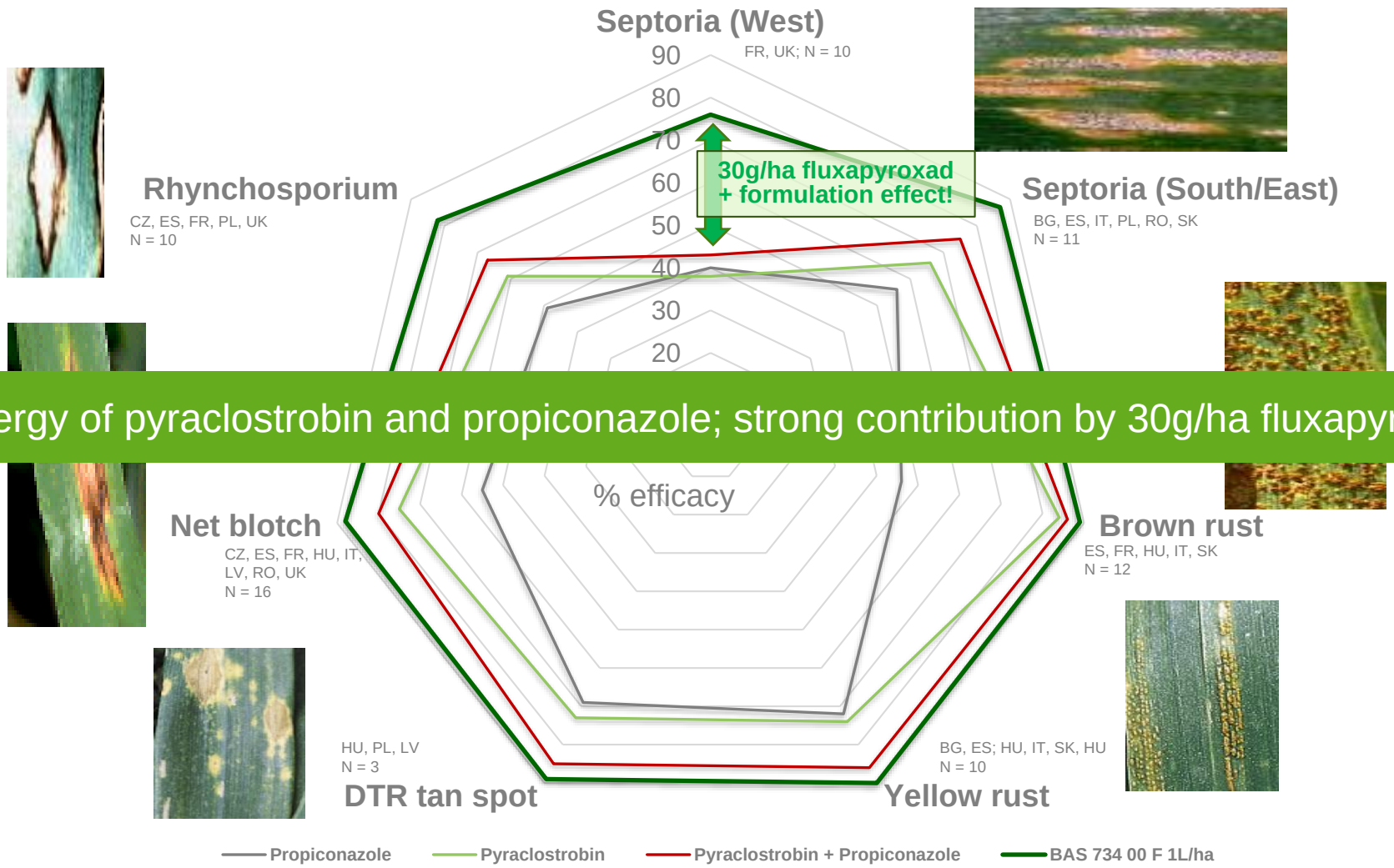
→ Combination of pyraclostrobin and pro-piconazole show an unexpected fungicidal action towards Septoria tritici, being resistant against strobilurines (G143A) and less susceptible to azole applications → **SYNERGY**

→ It's showing excellent Septoria activity with optimum built-in resistance management

→ **Exciting broad spectrum activity;** i. e. excellent against yellow rust by combining three powerful active ingredients, very good brown rust performance and very good activity against Tan spot

inovor– average efficacy against cereal pathogens – Europe 2015

BASF field development trials in wheat and barley; 1-2 applications at BBCH 31-67



synergy of pyraclostrobin and propiconazole; strong contribution by 30g/ha fluxapyroxad

Summary

- The product shows excellent activity against almost all major leaf diseases in wheat and barley + rye and triticale → **broad spectrum**
- Three active ingredients with three different mode of actions → **reliability and optimum built-in resistance management (for example Septoria)**
- Strong and unexpected synergy with pyraclostrobin if combined with propiconazole despite QoI resistance and azole shift (Septoria) → **works in all conditions, whatever the situation**
- Very good yield results in comparison to registration standards and also to the main competitors

Difference between treated and untreated area of the field: (Golestan – Iran)- target disease: Head Blight (Fusarium)

Proven efficacy against head Fusarium & Yellow Rust;Golestan- Iran