



Variedades de soja 2017-2018.
Análisis de redes de ensayos.

Ing.Agr. (MSc) Luis Arias Usandivaras

Objetivo y estructura de la presentación.

Objetivo:

Brindar herramientas para la selección de las mejores variedades en cada esquema de producción.

Estructura:

1. Introducción: Metodología y descripción de la base de datos analizada.
2. Recomendación de variedades por zona.
3. Análisis de la última campaña (últimas variedades).
4. IPRO vs No BT

Información analizada

- ✓ RECSO
- ✓ Redes CREA.
- ✓ Redes AAPRESID
- ✓ Redes INTA
- ✓ Cooperativas

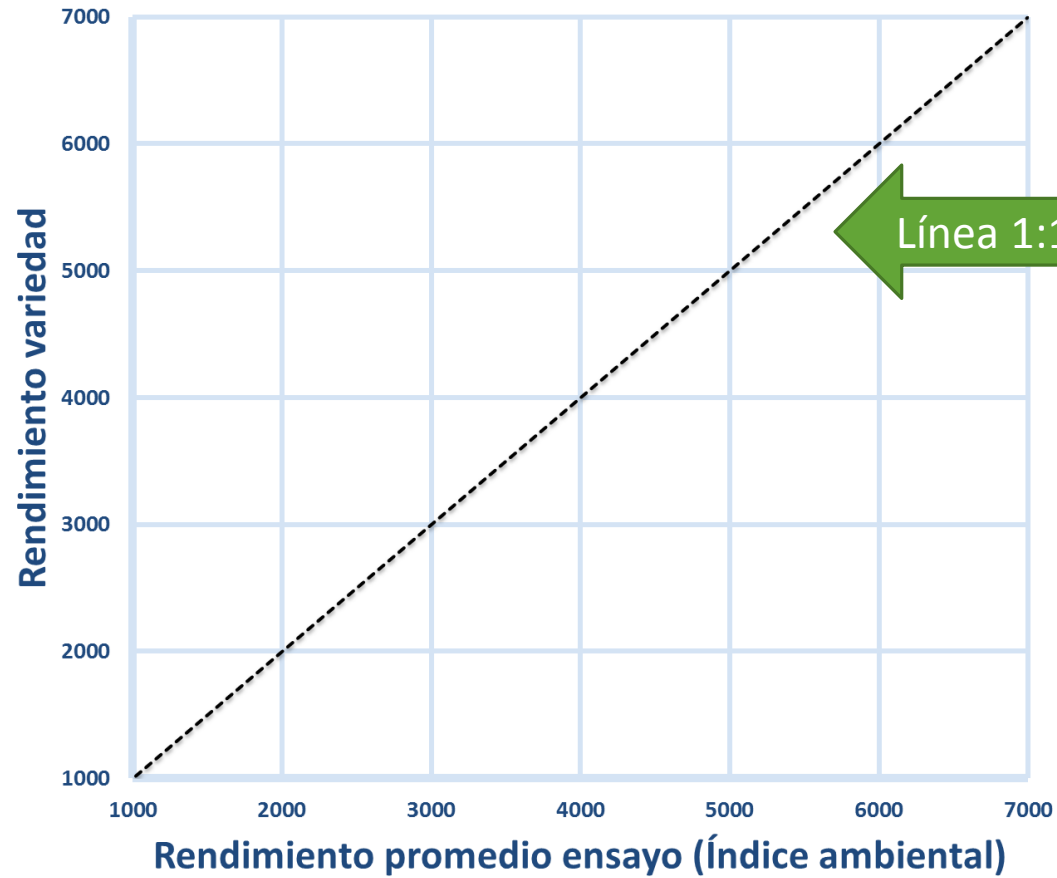
Metodología

✓ **Rendimiento promedio de todas las variedades del ensayo.** Se usa como descriptor del ambiente (también llamado índice ambiental).

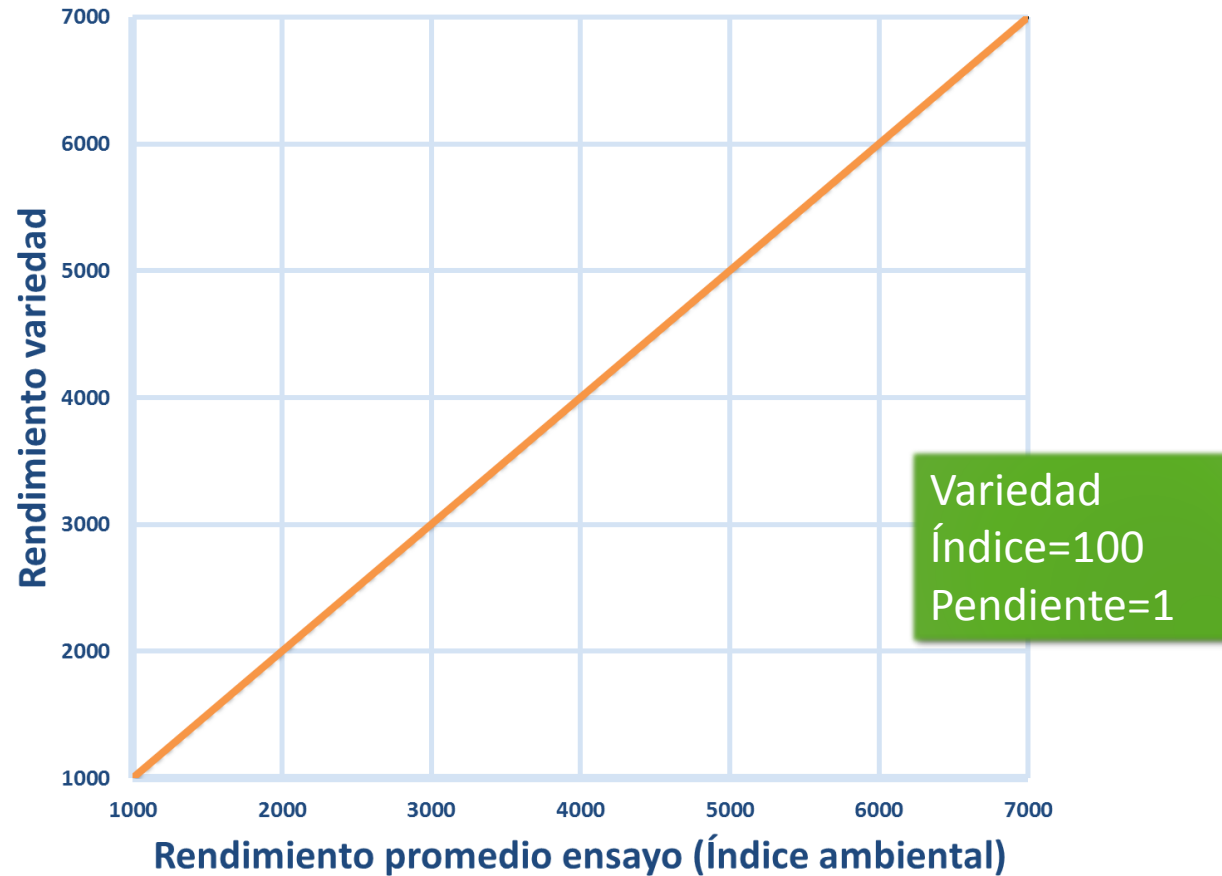
✓ **Índice de la variedad** = $\left(\frac{\text{Rendimiento variedad}}{\text{Rendimiento promedio del ensayo}} \right) \times 100$

✓ **Pendiente** = $\frac{\Delta \text{Eje } y}{\Delta \text{Eje } X}$

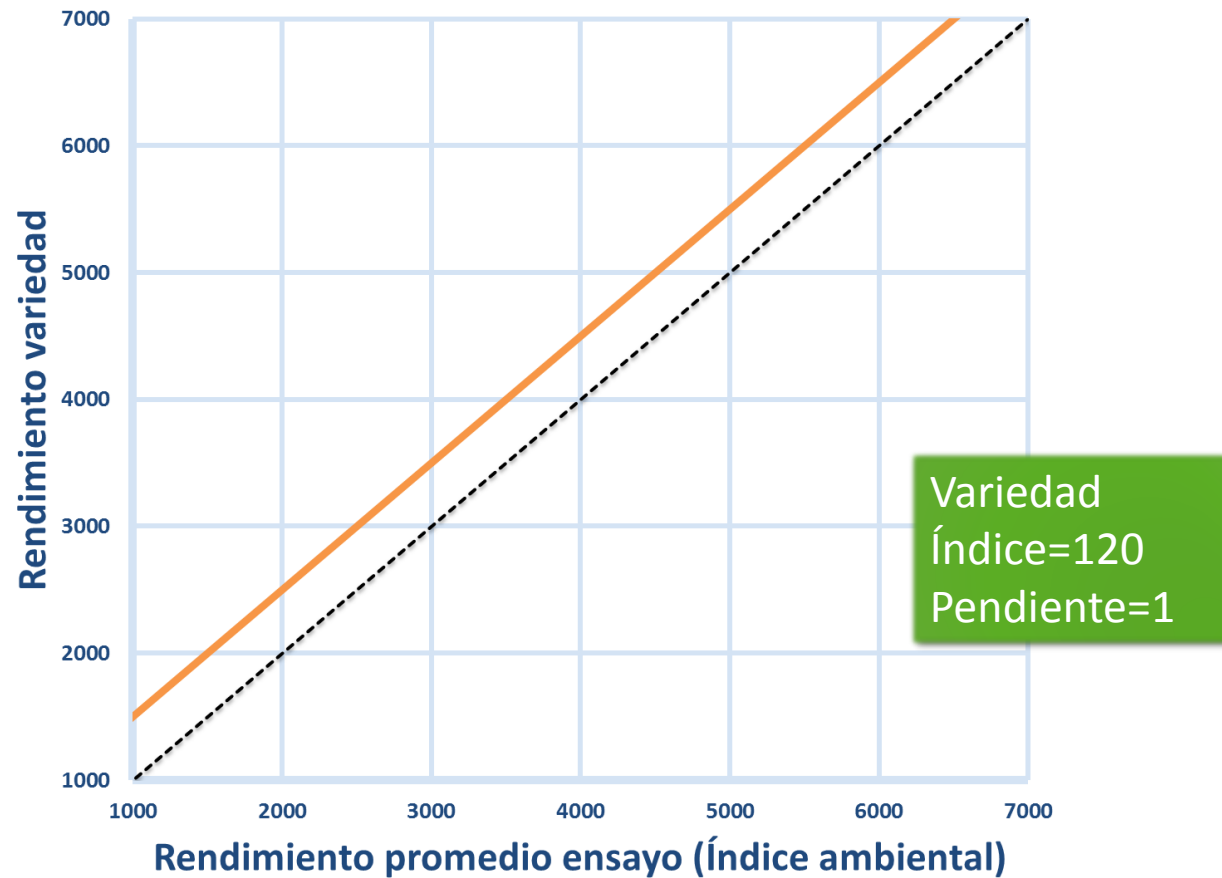
Metodología



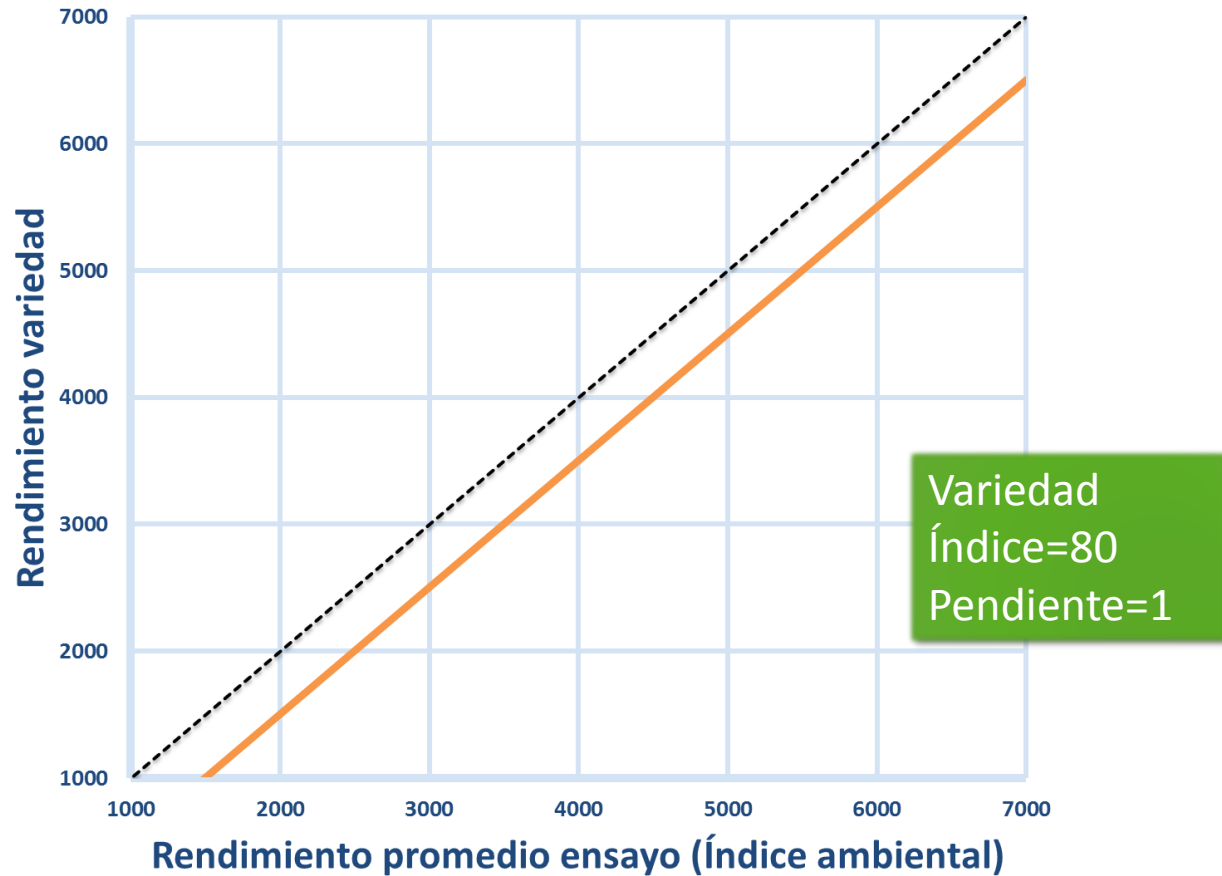
Metodología



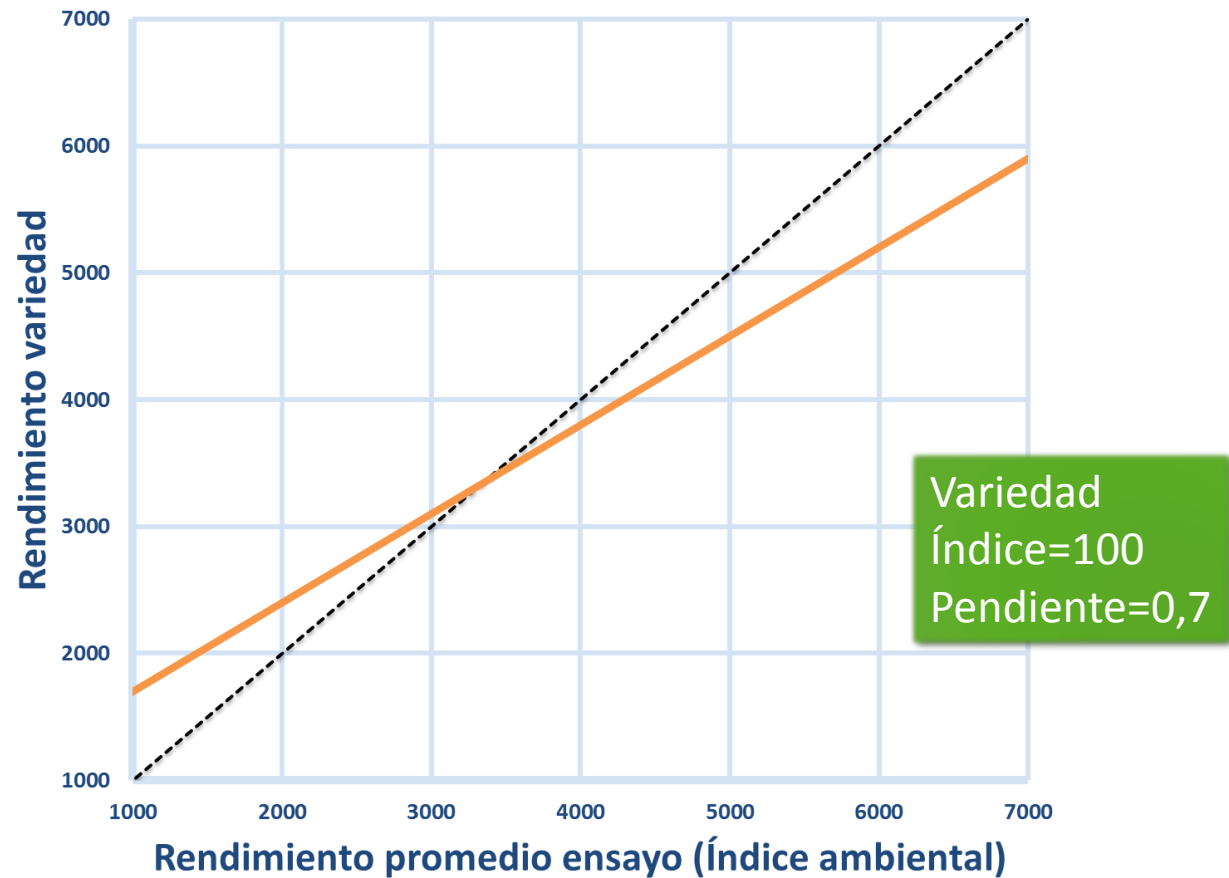
Metodología



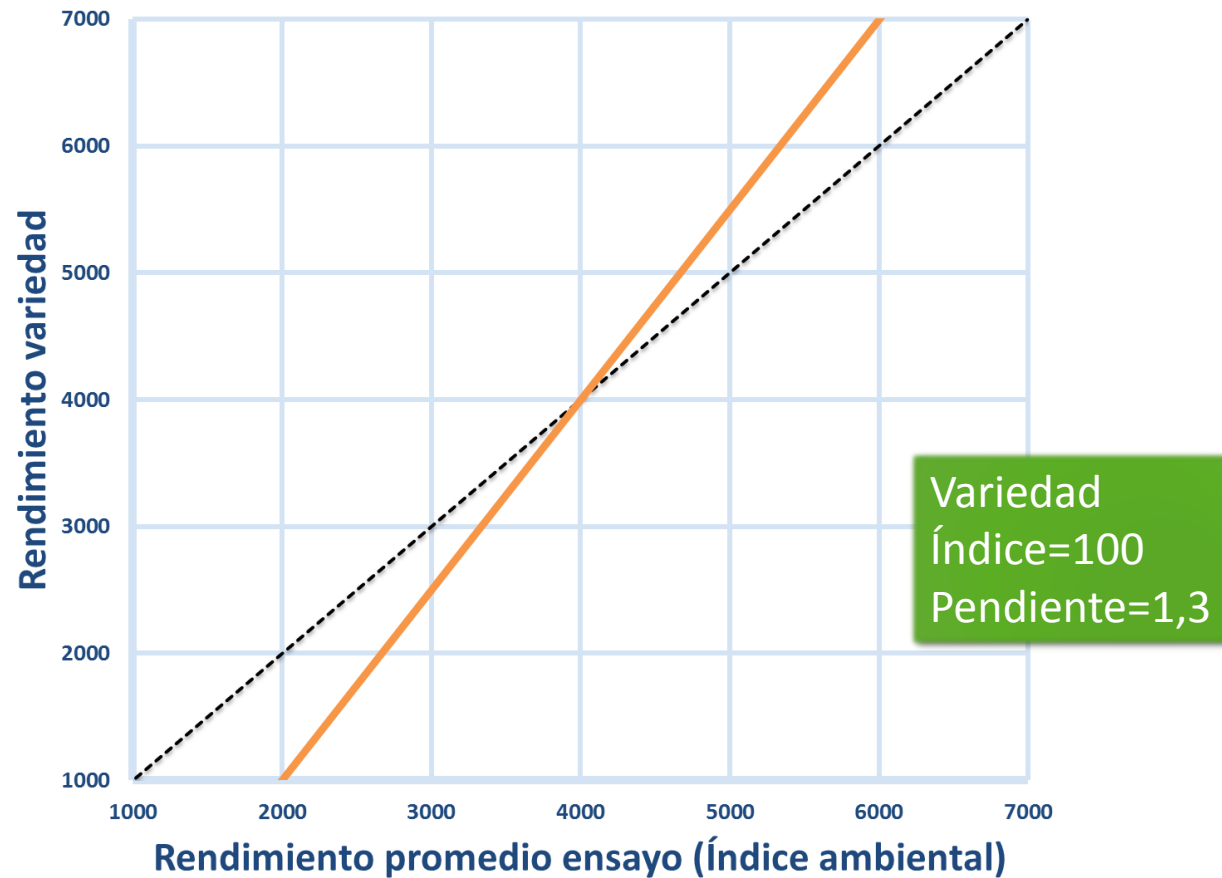
Metodología

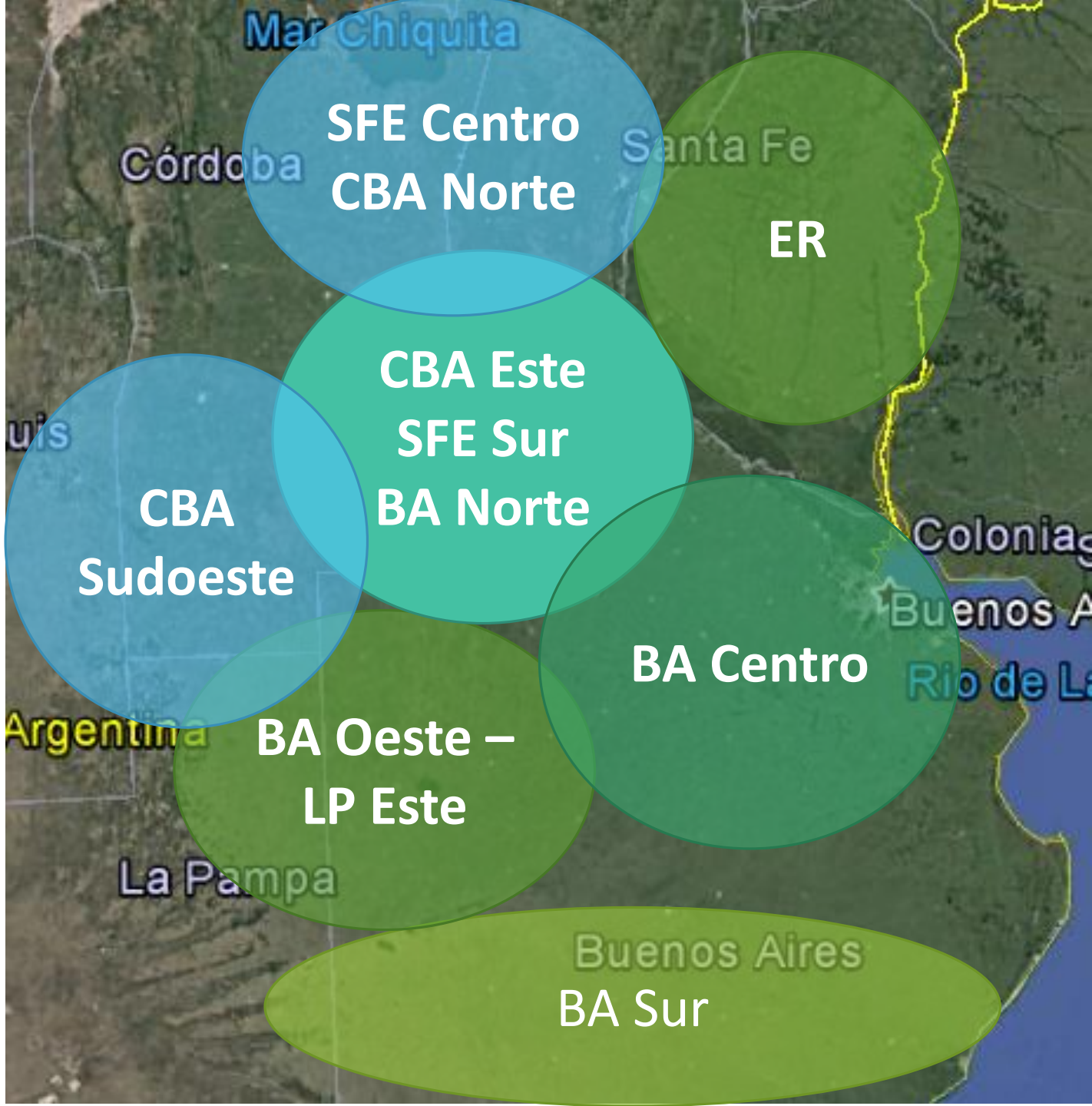


Metodología

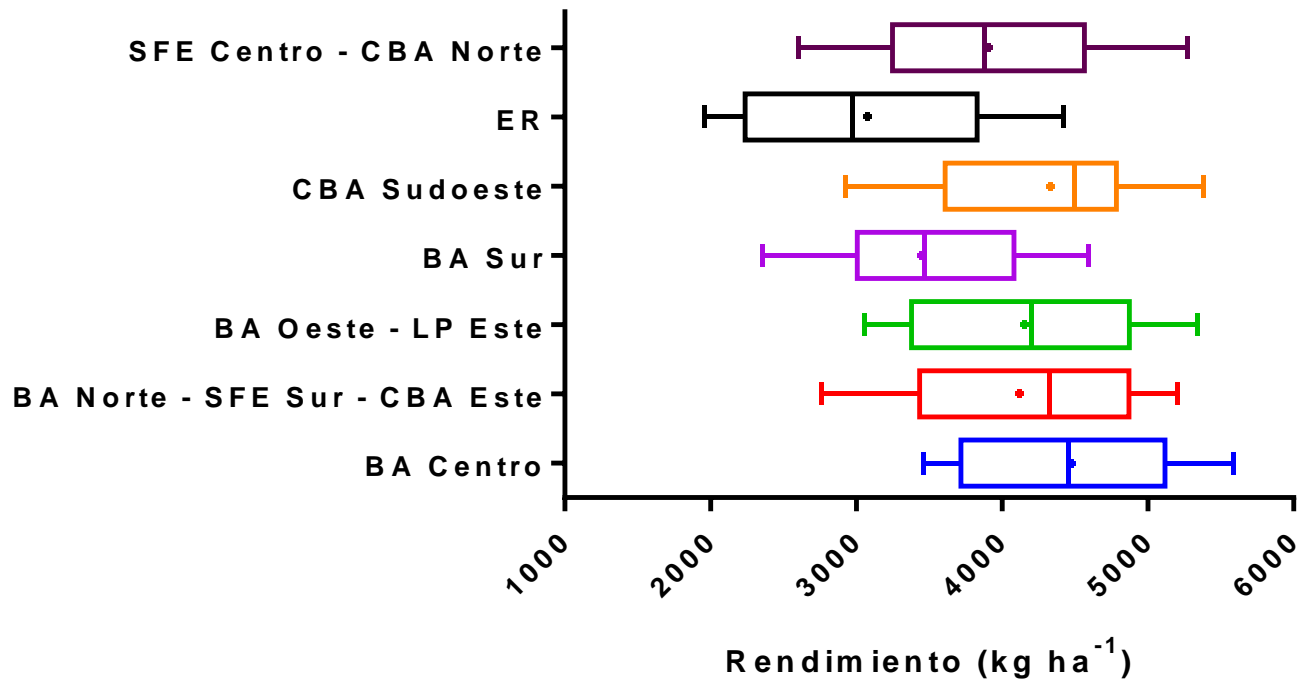


Metodología



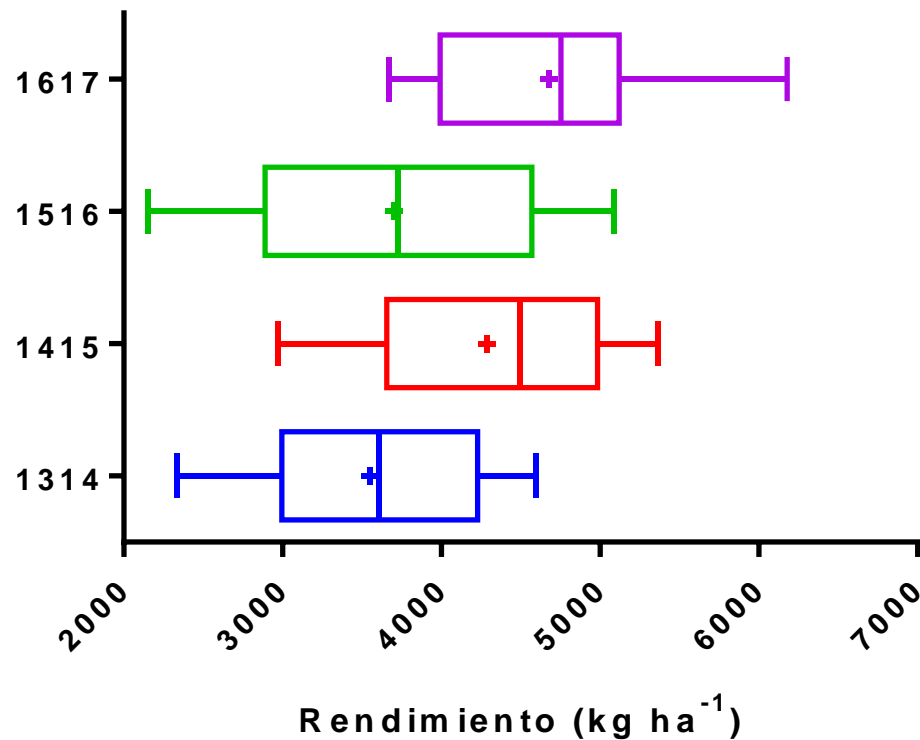


Distribución de la información analizada



- ✓ La mayor parte de los rendimientos entre 3000 y 5000 kg/ha.
- ✓ BA Centro y CBA Sudoeste con mayores promedios.
- ✓ Entre Ríos con menores promedios.

Distribución de la información analizada



- ✓ Campaña 2013-2014 menores rendimientos
- ✓ Campaña 2016-2017 mayores rendimientos por mayor proporción de información de zona núcleo.

A wide-angle photograph of a lush green soybean field stretching to the horizon under a clear blue sky. The plants are densely packed and appear healthy. A semi-transparent white rectangular box is overlaid in the center of the image, containing the text 'Análisis por zona' in a bold, black, sans-serif font.

Análisis por zona

Buenos Aires Centro

| Variedad | Índice | Pend | Variedad | Índice | Pend |
|-------------------|--------|------|------------------|--------|------|
| DM 50i17 IPRO STS | 109 | 0.88 | HO 5010 | 100 | 1.06 |
| DM 53i53 IPRO | 106 | 1.07 | NS 4619 IPRO STS | 99 | 0.89 |
| CZ 4.97 | 105 | 1.04 | CZ 4505 STS | 98 | 0.99 |
| DM 4615 STS | 104 | 0.88 | Aw 4326 Ipro | 98 | 0.83 |
| LDC 53MS01 IPRO | 104 | 1.19 | CZ 5107 | 97 | 1.13 |
| SYN 4x1 | 104 | 0.98 | NS 4955 | 97 | 0.93 |
| SYN 3x5 | 104 | 1.16 | LDC 5.3 | 96 | 0.98 |
| DM 5351 RSF | 104 | 1.05 | HS 50140 | 95 | 1.14 |
| HO 4919 IPRO | 103 | 0.59 | NS 5258 | 93 | 0.82 |
| BIO 4.91 | 101 | 1.02 | BIO 5.40 STS | 93 | 1.28 |

- ✓ Algunas variedades GM largo con alto índice.
- ✓ LDC 53MS01 IPRO y SYN 3X5 para ambientes de alto rendimiento
- ✓ HO 4919 IPRO variedad defensiva.

Buenos Aires Norte – Santa Fé Sur - Córdoba Este

| Variedad | Índice | Pend | Variedad | Índice | Pend | Variedad | Índice | Pend |
|------------------|--------|------|------------------|--------|------|--------------|--------|------|
| DM 4915 IPRO STS | 108 | 0.93 | BIO 4.11 | 103 | 1.14 | BIO 5.40 STS | 100 | 0.68 |
| CZ 4.97 | 107 | 1.00 | NS 4309 | 103 | 1.13 | FN 4.35 STS | 100 | 0.97 |
| SRM 3988 | 107 | 1.16 | CZ 4505 STS | 103 | 0.97 | DS 1410 | 100 | 1.17 |
| MS 4.9 IPRO | 106 | 0.94 | ACA 4990 | 103 | 0.91 | BIO 4.91 | 100 | 1.06 |
| ACA 4220 IPRO | 106 | 1.05 | LDC 4.7 | 103 | 0.92 | FN 3.85 | 99 | 1.09 |
| RA 458 | 106 | 0.98 | DM 4214 STS | 103 | 1.12 | NA 5009 | 99 | 0.84 |
| DM 4014 IPRO | 105 | 1.01 | SYN 4x1 | 103 | 1.05 | BIO 3.90 | 99 | 1.07 |
| NS 5019 IPRO STS | 105 | 0.87 | DM 4913 | 102 | 0.92 | SRM 5200 | 99 | 0.90 |
| CZ 4306 | 105 | 0.98 | BIO 4.51 | 102 | 1.02 | NS 5960 | 98 | 0.94 |
| SYN 5x1 | 105 | 0.84 | CZ 3906 IPRO STS | 102 | 0.90 | NS 5419 IPRO | 98 | 0.74 |
| SPS 4x4 | 105 | 1.01 | SYN 4x6 IPRO | 102 | 0.90 | FN 5.55 | 98 | 0.73 |
| ACA 4949 IPRO | 105 | 0.97 | DM 4615 STS | 102 | 1.03 | ACA 3535 | 98 | 1.11 |
| BIO 4.60 | 105 | 0.98 | SYN 4x9 | 102 | 0.91 | SYN 3x7 | 98 | 1.13 |
| NS 4955 | 104 | 0.91 | LDC 5.3 | 102 | 0.85 | NS 4009 | 98 | 1.05 |
| NS 5258 | 104 | 0.80 | HO 5310 IPRO | 101 | 0.74 | BIO 5.11 | 98 | 0.90 |
| DM 3815 IPRO STS | 104 | 1.03 | NS 4611 STS | 101 | 1.04 | HO 3998 | 97 | 1.14 |
| RA 450 | 104 | 1.10 | ACA 5350 | 101 | 0.77 | SRM 3410 | 96 | 1.20 |
| DS 1505 | 104 | 0.92 | DS 1470 | 101 | 1.05 | NS 3809 IPRO | 96 | 1.12 |
| SRM 4602 STS | 103 | 0.95 | SRM 4370 | 101 | 1.06 | LDC 3.8 STS | 95 | 1.02 |
| MS 4.0 IPRO | 103 | 1.12 | SRM 4222 | 101 | 0.98 | SYN 3x5 | 93 | 1.17 |
| NS 4619 IPRO STS | 103 | 0.95 | DM 4614 IPRO | 100 | 1.04 | FN 3.45 STS | 92 | 1.11 |
| DM 5351 RSF | 103 | 0.80 | RA 550 | 100 | 0.76 | NS 3215 | 92 | 1.06 |
| DM 4612 | 103 | 1.10 | LDC 3.7 | 100 | 1.14 | SPS 3x1 | 87 | 1.07 |

- ✓ DM 4915 IPRO STS y CZ 4,97 alto rendimiento promedio en todos los ambientes
- ✓ SRM 3988 destacada, principalmente en ambientes de alta productividad.
- ✓ Varias variedades GM V con buen rendimiento promedio y baja pendiente (ambientes restrictivos).

Buenos Aires Oeste-La Pampa Este

| Variedad | Índice | Pend | Variedad | Índice | Pend | Variedad | Índice | Pend |
|--------------|--------|------|------------------|--------|------|--------------|--------|------|
| SRM 3988 | 107 | 1.26 | DM 3815 IPRO STS | 102 | 0.84 | DM 5351 RSF | 99 | 0.89 |
| DM 40R16 STS | 106 | 0.99 | BIO 4.60 | 102 | 0.98 | DM 4615 STS | 99 | 1.14 |
| DM 4214 STS | 105 | 0.79 | RA 449 | 101 | 1.20 | CZ 4.97 | 98 | 1.11 |
| SRM 4602 STS | 105 | 1.02 | BIO 3.90 | 101 | 1.02 | ACA 5350 | 97 | 0.88 |
| SPS 4x4 | 105 | 0.90 | MS 4.0 IPRO | 101 | 0.97 | NS 4611 STS | 97 | 1.34 |
| SRM 4370 | 104 | 0.72 | MS4.4 IPRO STS | 101 | 1.26 | SPS 3x1 | 96 | 0.99 |
| LDC 3.7 | 104 | 0.85 | ACA 4990 | 101 | 1.16 | MS 4.9 IPRO | 96 | 1.28 |
| DM 4612 | 104 | 1.25 | CZ 4505 STS | 101 | 1.09 | DM 4913 | 96 | 1.08 |
| SRM 4222 | 104 | 0.78 | FN 3.85 | 100 | 1.19 | NA 5009 | 94 | 0.83 |
| FN 4.35 STS | 103 | 0.77 | NS 5258 | 100 | 0.93 | BIO 5.40 STS | 94 | 0.97 |
| SRM 3410 | 103 | 1.17 | CZ 3906 IPRO STS | 100 | 0.91 | NA 5509 | 92 | 0.92 |
| SYN 3x7 | 103 | 0.92 | CZ 4306 | 100 | 1.14 | HO 3998 | 92 | 1.17 |
| SRM 3767 | 103 | 0.88 | NS 4955 | 99 | 1.27 | NS 3809 IPRO | 92 | 1.15 |
| NS 4009 | 103 | 0.71 | NS 4619 IPRO STS | 99 | 0.96 | SYN 4x9 | 91 | 1.36 |
| DS 1410 | 103 | 0.85 | LDC 4.7 | 99 | 0.97 | NS 3215 | 88 | 0.81 |
| LDC 3.8 STS | 102 | 0.88 | | | | | | |

- ✓ SRM3988 alto rendimiento en especial ambientes de alta productividad.
- ✓ DM 40R16 STS alto rendimiento.
- ✓ DM 4214 STS alto rendimiento en especial en ambientes de baja productividad.
- ✓ Vemos que los GM mas largos tienden a estar en la segunda mitad de la tabla.

Buenos Aires Sur

| Variedad | Índice | Pend | Variedad | Índice | Pend | Variedad | Índice | Pend |
|------------------|--------|------|------------------|--------|------|------------------|--------|------|
| DM 3815 IPRO STS | 107 | 0.78 | DM 4214 STS | 103 | 0.97 | SRM 4602 STS | 100 | 1.07 |
| SRM 3988 | 105 | 0.84 | CZ 4.97 | 103 | 1.34 | INTAMJ42 | 100 | 1.05 |
| CZ 4505 STS | 105 | 1.28 | ACA3939 | 102 | 0.94 | NS4313 | 99 | 0.93 |
| Dalia455 | 105 | 1.18 | BIO 4.91 | 102 | 1.12 | DM 4915 IPRO STS | 99 | 1.05 |
| INTAMJ48 | 104 | 1.00 | NS 4619 IPRO STS | 102 | 1.00 | LDC 3.8 STS | 99 | 0.94 |
| ACA 4220 IPRO | 104 | 1.03 | SRM 4222 | 102 | 0.91 | DM 4612 | 99 | 0.96 |
| DM 4014 IPRO | 104 | 1.08 | DM 4913 | 102 | 0.96 | DM 4615 STS | 98 | 0.98 |
| BIO 3.90 | 104 | 0.95 | ACA 3535 | 102 | 1.15 | SYN 4x9 | 98 | 0.85 |
| SRM 3767 | 104 | 1.24 | BIO 4.60 | 102 | 1.01 | LDC 3.7 | 98 | 0.80 |
| SRM 4370 | 104 | 1.09 | DM 4614 IPRO | 102 | 0.69 | RA349 | 98 | 1.04 |
| SYN 4x1 | 104 | 0.95 | SYN 3x7 | 101 | 1.07 | FN 4.35 STS | 98 | 0.85 |
| DM 3810 | 104 | 0.97 | HO 3998 | 101 | 0.55 | Ho4880 | 98 | 1.04 |
| BIO 4.11 | 104 | 1.08 | ACA 4990 | 101 | 1.14 | RA 450 | 97 | 0.85 |
| ACA4550 | 104 | 1.09 | SRM 3410 | 101 | 1.01 | NS 4955 | 97 | 0.90 |
| SYN 3x5 | 103 | 1.00 | TJs2137 | 101 | 0.94 | NS 4009 | 97 | 0.85 |
| LDC 4.7 | 103 | 1.11 | LDC4.5 | 101 | 1.03 | SRM3970 | 95 | 0.94 |
| FN 3.85 | 103 | 1.03 | SPS 4x4 | 101 | 1.15 | DM 3312 | 94 | 0.65 |
| NS 3809 IPRO | 103 | 0.90 | NS 4611 STS | 101 | 1.23 | NS3313 | 94 | 1.08 |
| TJs2249 | 103 | 1.02 | DS 1470 | 101 | 1.24 | FN 3.45 STS | 94 | 0.91 |
| DM 4712 | 103 | 1.13 | TJs2246 | 100 | 1.04 | NS 3215 | 92 | 0.92 |
| Ho3890 | 103 | 0.99 | | | | | | |

- ✓ DM 3815 IPRO STS y SRM 3988 recomendadas para ambientes restrictivos.
- ✓ CZ 4505 STS y Dalia 455 para ambientes de alto rendimiento promedio.

Córdoba Sudoeste

| Variedad | Índice | Pend | Variedad | Índice | Pend | Variedad | Índice | Pend |
|------------------|--------|------|--------------|--------|------|------------------|--------|------|
| DM 5351 RSF | 110 | 0.98 | FN 4.35 STS | 104 | 1.18 | DM 3815 IPRO STS | 100 | 1.06 |
| RA 458 | 108 | 0.89 | LDC 5.3 | 103 | 0.84 | RA 450 | 100 | 1.18 |
| DM 4915 IPRO STS | 108 | 0.88 | SPS 4x4 | 103 | 1.10 | DM 4614 IPRO | 99 | 1.01 |
| HO 5310 IPRO | 108 | 1.00 | SYN 4x9 | 103 | 0.97 | NS 5419 IPRO | 99 | 0.69 |
| CZ 4.97 | 108 | 1.13 | BIO 4.11 | 103 | 1.27 | SYN 4x6 IPRO | 99 | 0.86 |
| SRM 3988 | 107 | 0.99 | RA 550 | 103 | 1.02 | SYN 3x7 | 99 | 0.89 |
| NS 5258 | 107 | 0.93 | NA 5009 | 103 | 0.88 | BIO 4.91 | 98 | 1.14 |
| NS 4619 IPRO STS | 106 | 1.11 | DM 4014 IPRO | 102 | 1.17 | FN 3.85 | 98 | 0.94 |
| NS 4955 | 106 | 1.10 | BIO 5.11 | 102 | 1.07 | NS 4009 | 98 | 1.05 |
| DM 4913 | 106 | 0.98 | DM 4214 STS | 102 | 1.14 | SRM 4370 | 98 | 1.09 |
| DM 4615 STS | 106 | 0.87 | SRM 3767 | 102 | 0.88 | LDC 3.8 STS | 96 | 1.08 |
| ACA 4990 | 106 | 0.99 | SYN 4x1 | 102 | 1.12 | SRM 3410 | 96 | 0.58 |
| CZ 4505 STS | 106 | 1.04 | DM 4612 | 102 | 0.99 | BIO 3.90 | 95 | 0.95 |
| ACA 5350 | 105 | 0.82 | NA 5509 | 102 | 0.97 | LDC 3.7 | 94 | 0.85 |
| NS 5019 IPRO STS | 105 | 0.97 | BIO 5.40 STS | 101 | 0.78 | ACA 3535 | 94 | 0.77 |
| SRM 5200 | 105 | 1.04 | SRM 4222 | 101 | 0.99 | NS 3809 IPRO | 92 | 0.92 |
| LDC 4.7 | 105 | 0.87 | SRM 4602 STS | 101 | 1.12 | INTA MJ 42 | 90 | 0.98 |
| DS 1470 | 105 | 1.22 | HO 3998 | 101 | 0.90 | SYN 3x5 | 89 | 1.10 |
| ACA 4220 IPRO | 105 | 1.12 | BIO 4.51 | 100 | 1.08 | FN 3.45 STS | 88 | 0.73 |
| FN 5.55 | 104 | 1.00 | NS 4611 STS | 100 | 1.00 | NS 3215 | 86 | 0.87 |
| BIO 4.60 | 104 | 1.03 | | | | | | |

- ✓ Mayor participación de GM V en los primeros lugares de la tabla.
- ✓ DM5351 RSF, RA 458, DM 4915 IPRO STS y HO 5310 IPRO STS aparecen en primeros lugares, especialmente para ambientes de media-baja calidad.
- ✓ CZ 4,97 alto rendimiento promedio, especialmente en ambientes de alto rendimiento.

Entre Ríos

| Variiedad | Índice | Pend | Variiedad | Índice | Pend | Variiedad | Índice | Pend |
|------------------|--------|------|--------------|--------|------|------------------|--------|------|
| AW 6211 IPRO | 117 | 1.16 | RA 655 | 105 | 0.94 | SYN 4x9 | 100 | 1.00 |
| RA 5715 IPRO | 116 | 1.02 | RA 458 | 105 | 1.17 | SPS 4x4 | 100 | 1.06 |
| AW 5815 IPRO | 115 | 0.92 | LDC 6.0 | 105 | 0.98 | FN 5.55 | 100 | 1.15 |
| DM 6262 IPRO | 115 | 1.09 | CZ 4505 STS | 105 | 1.10 | CZ 4.97 | 100 | 1.15 |
| ACA 5825 IPRO | 115 | 1.08 | NS 5258 | 105 | 1.08 | ACA 4220 IPRO | 100 | 1.22 |
| DM 6.8i | 113 | 0.89 | DM 4913 | 104 | 0.98 | DS 1470 | 100 | 1.22 |
| CZ 6505 | 112 | 0.96 | NS 5960 | 104 | 1.13 | LDC6.9 | 100 | 0.80 |
| NS 6483 | 110 | 0.77 | NS 4955 | 104 | 0.93 | BIO 4.60 | 100 | 1.20 |
| AW 5714 IPRO | 110 | 1.00 | SRM 6256 | 104 | 1.07 | DM 4615 STS | 99 | 1.13 |
| NS 5419 IPRO | 110 | 1.06 | DM 6.2 i | 103 | 1.05 | SRM 5200 | 99 | 1.16 |
| DM 5958 IPRO | 110 | 1.06 | NA6126 | 103 | 0.80 | NS6002 | 99 | 0.95 |
| M 6410 IPRO | 110 | 0.88 | SRM 4602 STS | 103 | 1.14 | SRM 4222 | 98 | 1.07 |
| NA 5909 | 109 | 0.90 | LDC 5.3 | 103 | 1.23 | NS 6909 IPRO | 98 | 1.11 |
| NS 6248 | 109 | 0.96 | BIO 4.91 | 103 | 1.18 | SRM5001 | 97 | 1.19 |
| DM 4915 IPRO STS | 108 | 1.27 | DS 1505 | 103 | 1.25 | LDC 4.7 | 97 | 1.08 |
| DM 6563 IPRO | 108 | 0.94 | LDC 5.6 | 103 | 1.11 | NS 5019 IPRO STS | 97 | 1.39 |
| CZ 6205 | 108 | 0.87 | DM 5351 RSF | 102 | 1.25 | DM 8473 RSF | 97 | 1.10 |
| LDC6.2 | 107 | 1.20 | RA 6615 IPRO | 102 | 0.98 | DM 4612 | 96 | 1.26 |
| NS6448 | 107 | 0.99 | LDC 5.9 STS | 102 | 0.94 | ACA 6513 IPRO | 94 | 1.31 |
| TJs2259 | 107 | 1.13 | SPS 5X2 | 102 | 1.04 | SRM 4370 | 94 | 1.09 |
| NA 5509 | 106 | 0.93 | HO 5910 STS | 101 | 1.09 | FN 4.35 STS | 93 | 1.18 |
| ACA 5814 IPRO | 106 | 0.95 | RA 550 | 101 | 1.04 | NS 4611 STS | 92 | 1.01 |
| ACA 5350 | 106 | 0.99 | SPS 6x1 | 101 | 0.93 | BIO 5.11 | 91 | 1.22 |
| DM 5.9i | 106 | 1.00 | HO 5310 IPRO | 101 | 1.23 | NS4313 | 90 | 1.12 |
| BIO 5.40 STS | 106 | 1.19 | SRM 6900 | 101 | 0.85 | DM 4214 STS | 90 | 1.12 |
| NS 5959 IPRO | 106 | 1.21 | ACA 4990 | 101 | 1.02 | NS 8282 | 89 | 0.92 |
| SRM6001 | 106 | 0.96 | NA 5009 | 101 | 1.20 | NS 4009 | 87 | 1.17 |
| HO 5010 | 106 | 1.13 | DS 1621 | 101 | 0.92 | BIO SEM 8.40 | 83 | 0.99 |

- ✓ Aparecen variedades GM VL-VI entre las mejores.
- ✓ Las primeras 5 variedades son IPRO.

Santa Fé Centro-Córdoba Norte

| Variedad | Índice | Pend | Variedad | Índice | Pend | Variedad | Índice | Pend |
|------------------|--------|------|---------------|--------|------|---------------|--------|------|
| DM 4915 IPRO STS | 116 | 1.26 | DM 6262 IPRO | 104 | 1.17 | NS 5960 | 100 | 1.14 |
| DM 5.9i | 110 | 0.95 | RA 6615 IPRO | 104 | 1.04 | SRM 6900 | 100 | 0.94 |
| AW 5815 IPRO | 110 | 1.27 | SRM 4602 STS | 104 | 1.08 | CZ 6205 | 100 | 0.99 |
| NS 5419 IPRO | 109 | 0.77 | DM 6.8i | 104 | 0.91 | SYN 4x9 | 99 | 0.95 |
| HO 5310 IPRO | 109 | 0.96 | SPS 4x4 | 104 | 1.21 | DM 8473 RSF | 99 | 0.98 |
| DM 4913 | 109 | 1.10 | RA 655 | 104 | 0.76 | ACA 4990 | 99 | 0.95 |
| ACA 5350 | 108 | 1.00 | DM 5351 RSF | 103 | 1.01 | SRM 5200 | 98 | 0.97 |
| AW 6211 IPRO | 108 | 1.17 | LDC 5.9 STS | 103 | 1.16 | DS 1621 | 98 | 0.94 |
| NS 5258 | 108 | 1.10 | LDC 4.7 | 103 | 1.07 | ACA 6513 IPRO | 98 | 1.41 |
| DS 1470 | 108 | 1.28 | NA 5509 | 103 | 0.87 | DM 4612 | 97 | 1.12 |
| SRM 6256 | 107 | 0.85 | DM 4615 STS | 103 | 1.25 | DM 6563 IPRO | 97 | 0.94 |
| ACA 5825 IPRO | 106 | 1.13 | AW 5714 IPRO | 103 | 1.17 | SPS 5X2 | 96 | 1.04 |
| NS 5019 IPRO STS | 106 | 1.08 | BIO 4.91 | 103 | 1.05 | BIO 5.11 | 96 | 0.95 |
| BIO 5.40 STS | 106 | 1.07 | DM 5958 IPRO | 102 | 1.15 | SRM 4222 | 96 | 0.92 |
| CZ 6505 | 106 | 0.86 | FN 5.55 | 102 | 1.04 | NS 4611 STS | 95 | 1.11 |
| RA 5715 IPRO | 106 | 1.30 | DM 6.2 i | 102 | 1.02 | FN 4.35 STS | 93 | 0.90 |
| LDC 5.3 | 106 | 1.03 | HO 5010 | 102 | 1.10 | NS 8282 | 92 | 0.88 |
| NS 6909 IPRO | 105 | 1.11 | ACA4550 | 102 | 1.15 | SRM 4370 | 92 | 0.93 |
| M 6410 IPRO | 105 | 1.03 | ACA 5814 IPRO | 101 | 0.97 | DM 4214 STS | 91 | 0.86 |
| RA 550 | 105 | 0.89 | BIO 4.60 | 101 | 0.94 | RA 750 | 91 | 0.91 |
| NS 5959 IPRO | 105 | 1.06 | NA6126 | 101 | 1.00 | NA 8009 | 91 | 0.84 |
| NS 6248 | 105 | 1.03 | SPS 6x1 | 101 | 1.11 | NS 4009 | 86 | 1.05 |
| DS 1505 | 105 | 1.17 | NS 6483 | 100 | 0.75 | BIO SEM 8.40 | 85 | 0.64 |
| NS 4955 | 105 | 0.95 | NA 5009 | 100 | 0.94 | CZ 7.55 | 84 | 0.93 |
| NA 5909 | 104 | 1.02 | | | | | | |

- ✓ Entre las mejores variedades podemos encontrar GM IVL y V.
- ✓ Alta proporción de IPRO entre las primeras variedades.
- ✓ Se destacan para ambientes de alta calidad DM 4915 IPRO STS y AW 5815 IPRO.
- ✓ Para ambientes de bajo rendimiento esperado se destaca NS 5419 IPRO.



Nuevas variedades.
Ensayos 2016-2017

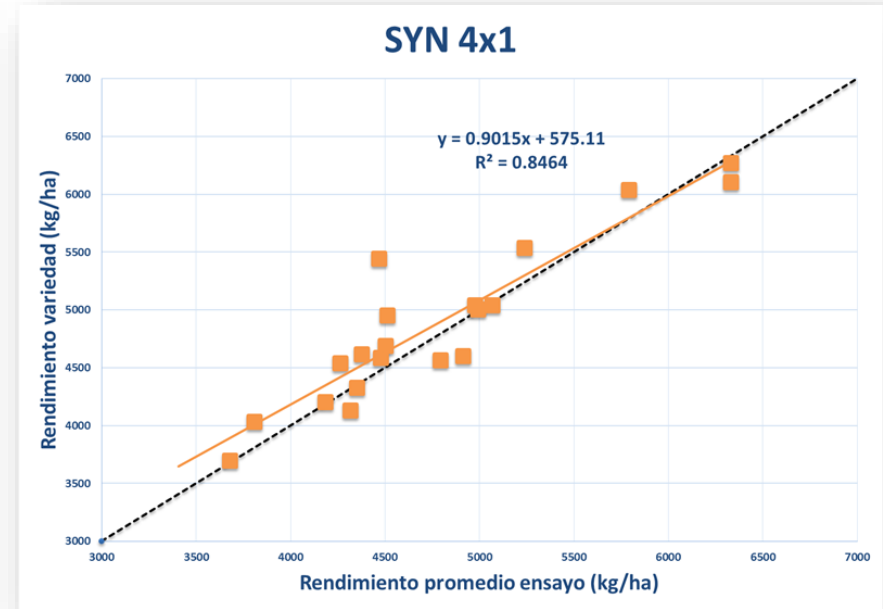
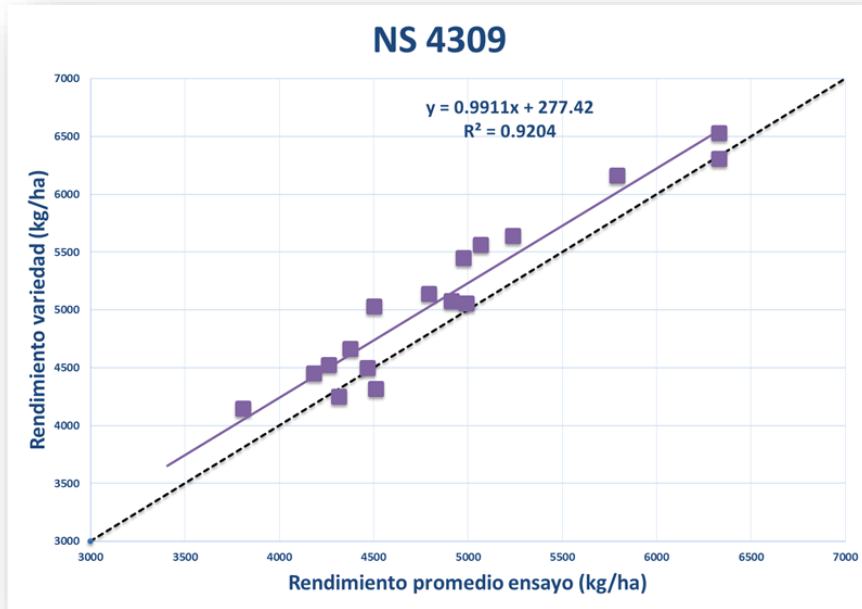
Variedades Ensayos 2016-17

Nuevas variedades

| Variedad | Índice | Pendiente |
|-------------------|--------|-----------|
| NS 4309 | 105 | 0.99 |
| SYN 4x1 | 102 | 0.90 |
| CZ 4306 | 102 | 1.13 |
| SYN 5x1 | 102 | 0.99 |
| DM 50i17 IPRO STS | 102 | 0.87 |
| DM 53i53 IPRO | 101 | 1.02 |
| CZ 4.97 | 101 | 1.12 |
| DM 4615 STS | 101 | 0.85 |
| AW 4326 IPRO | 99 | 0.91 |
| CZ 5107 | 99 | 1.03 |
| NS 4619 IPRO STS | 99 | 0.90 |
| NS 4955 | 98 | 1.00 |
| CZ 4505 STS | 97 | 0.93 |
| NS 5258 | 95 | 0.83 |
| CZ 3906 IPRO STS | 94 | 0.85 |

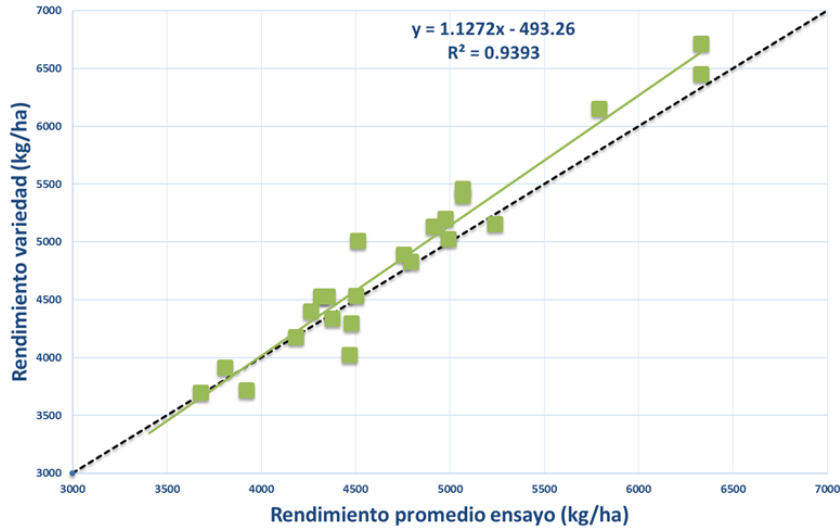
- ✓ Se evaluaron variedades GM III largo, IV y V corto (mas información disponible).

Variedades Ensayos 2016-17

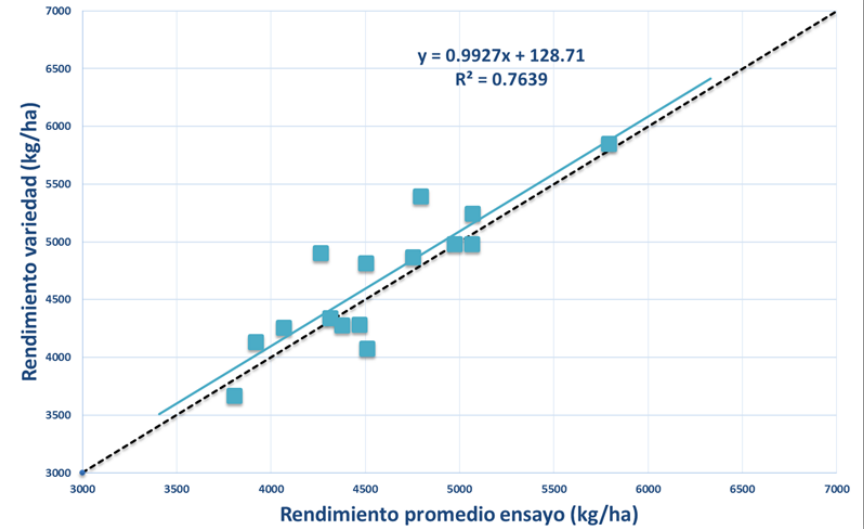


Variedades Ensayos 2016-17

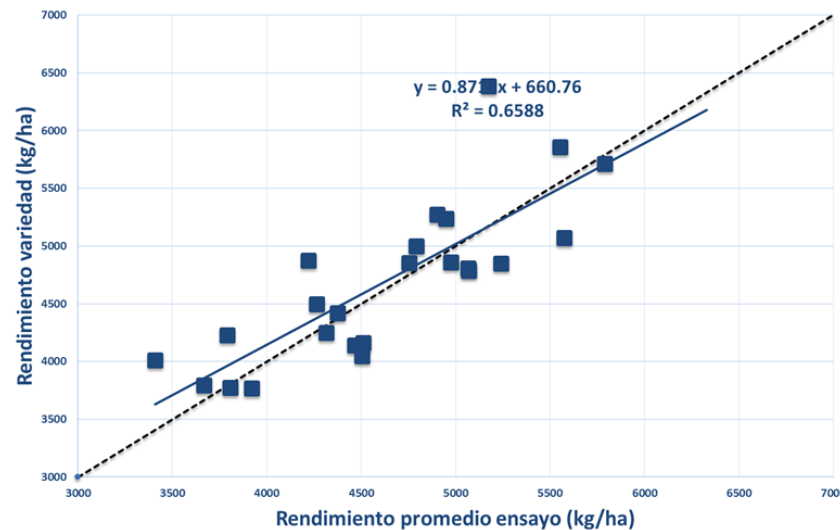
CZ 4306



SYN 5x1



DM 50i17 IPRO STS

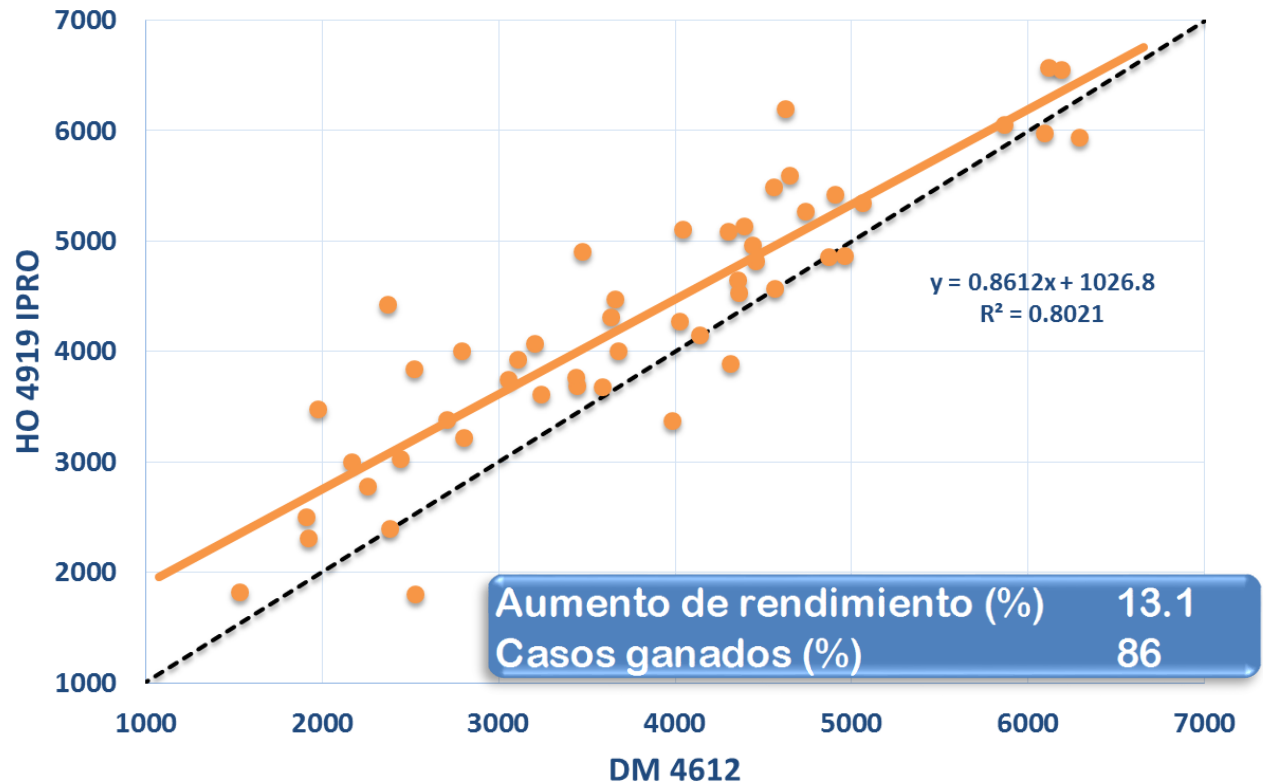




¿Qué variedades mejoran a DM 4612 y NA 5009?

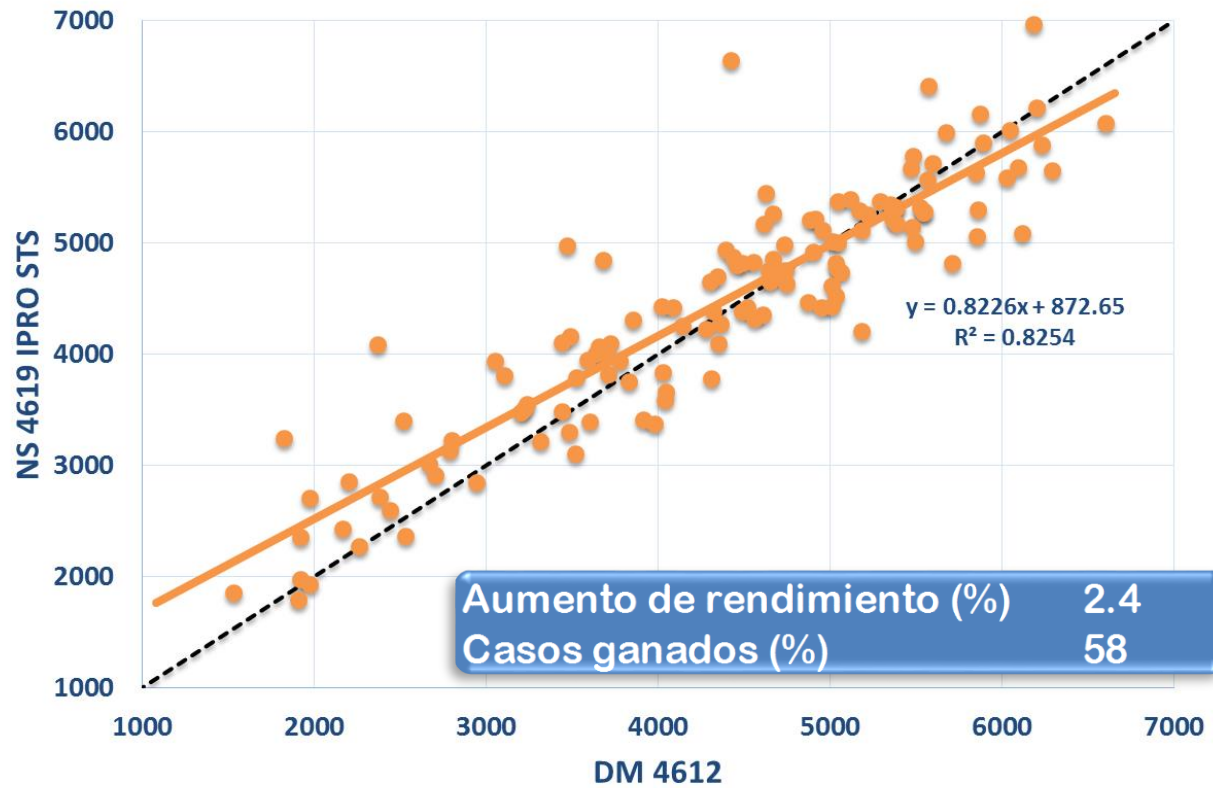
DM 4612

DM 4612 vs HO 4919 IPRO



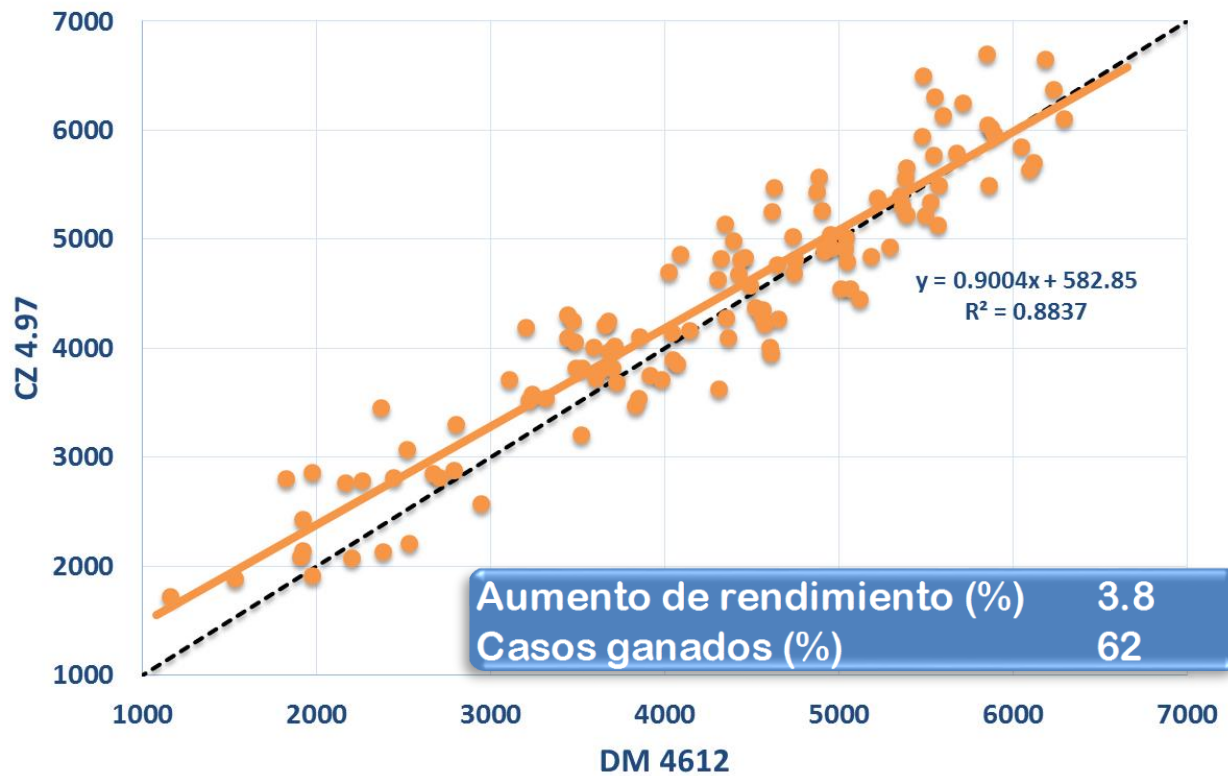
DM 4612

DM 4612 vs NS 4619 IPRO STS

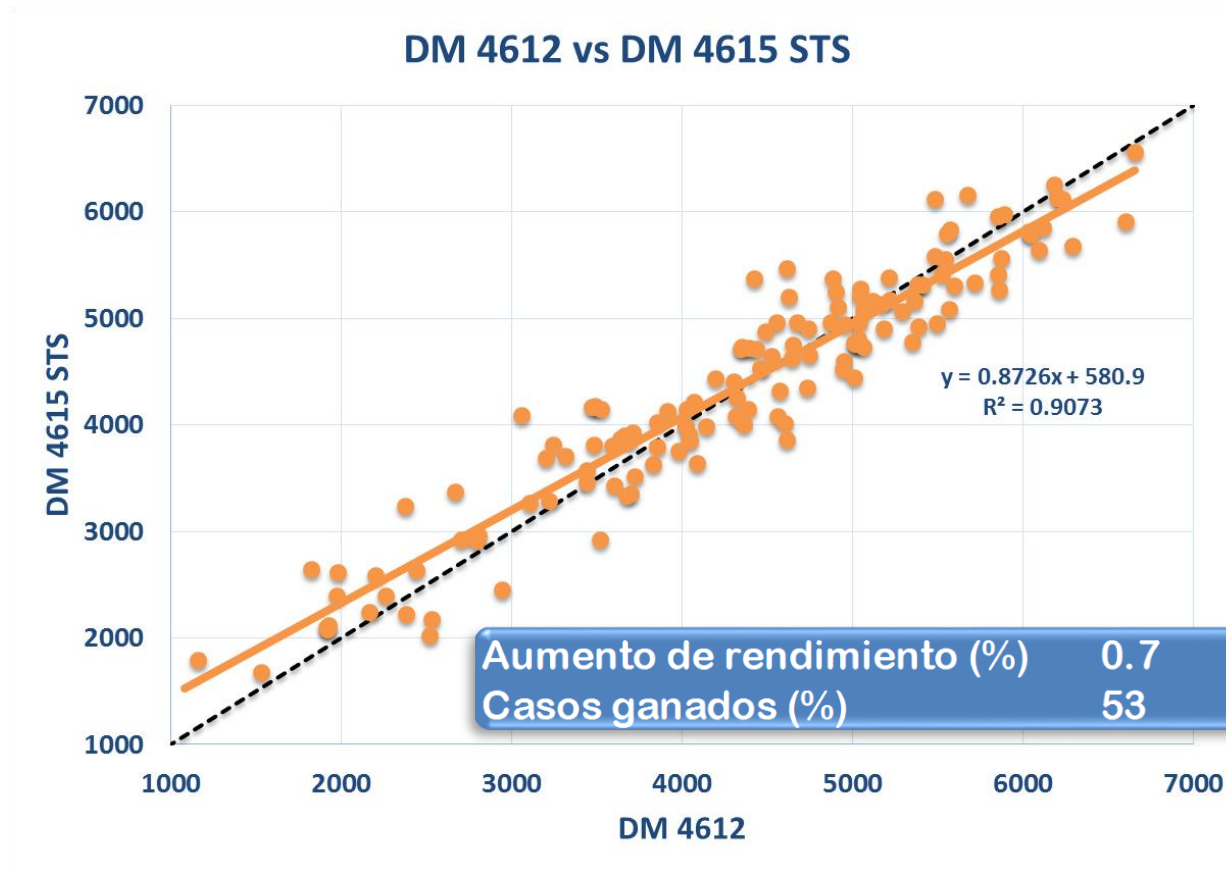


DM 4612

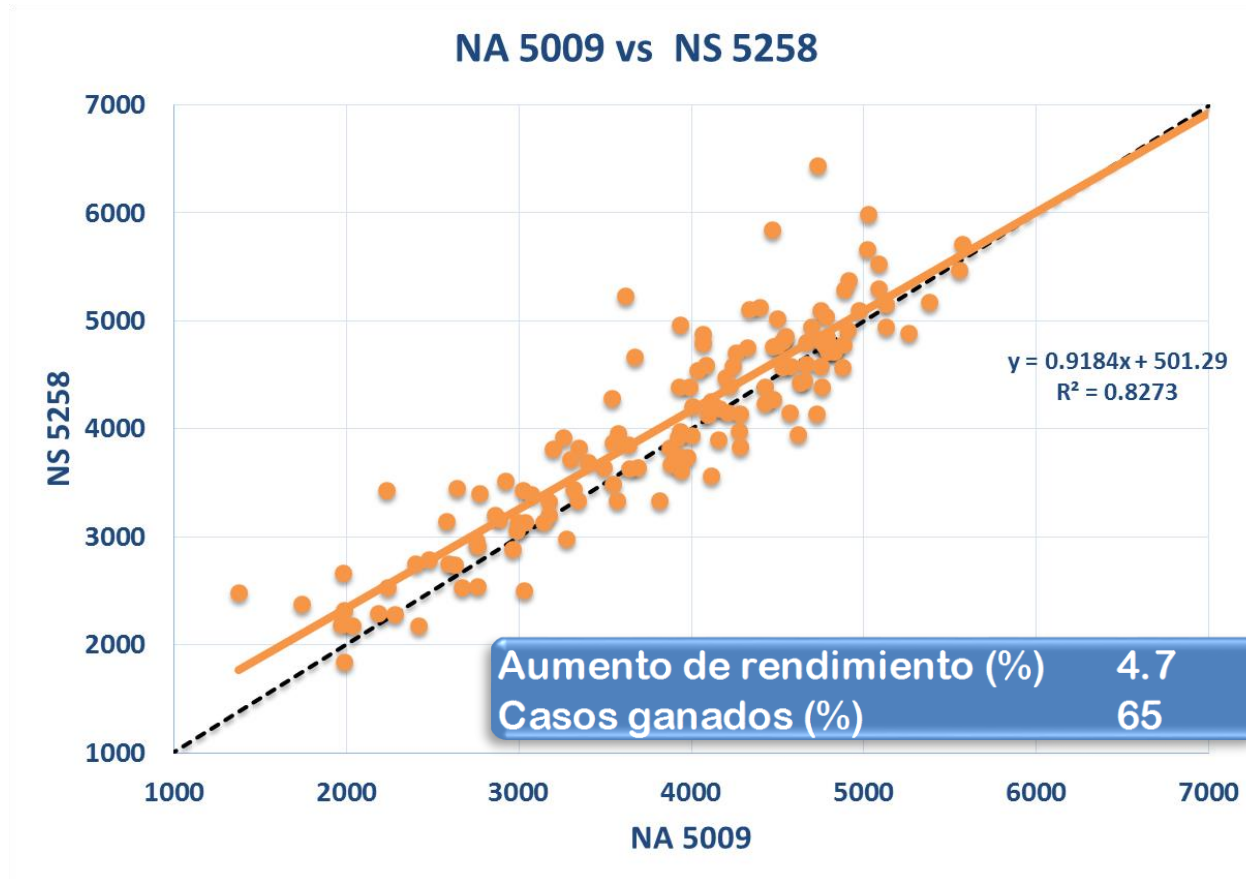
DM 4612 vs CZ 4.97



DM 4612

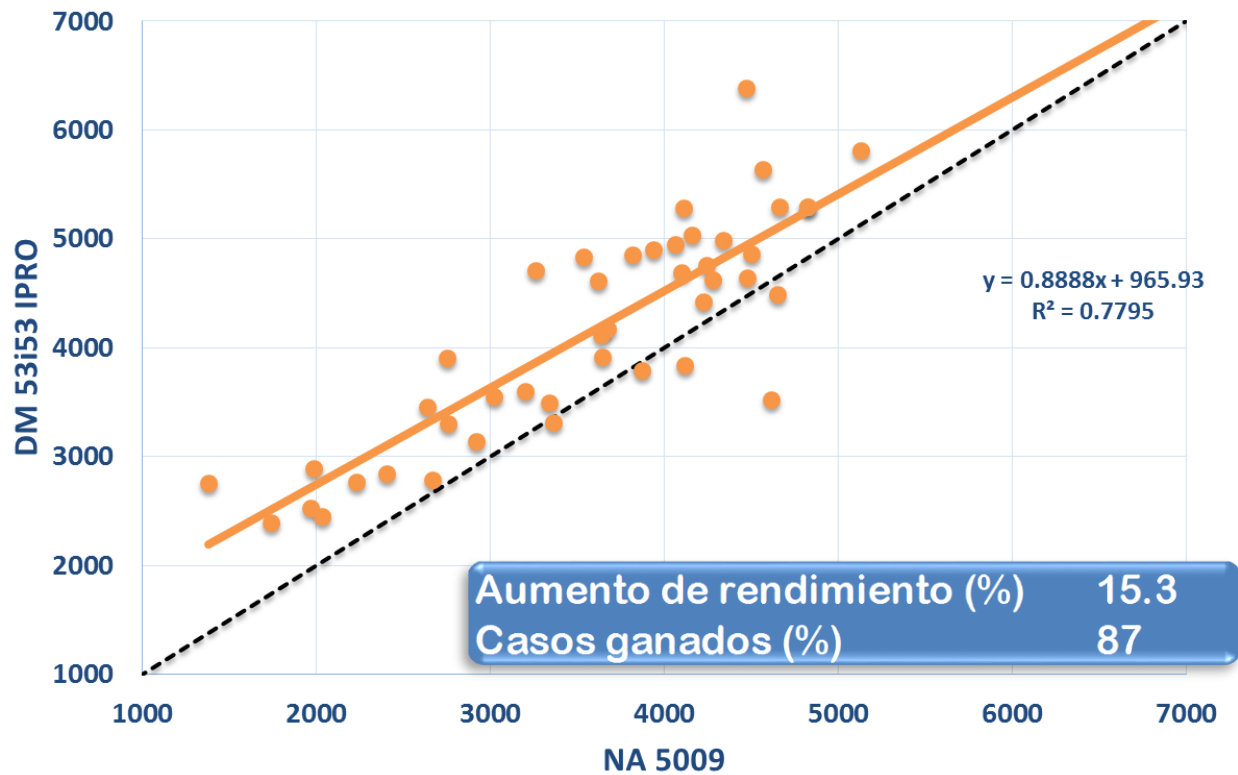


NA 5009



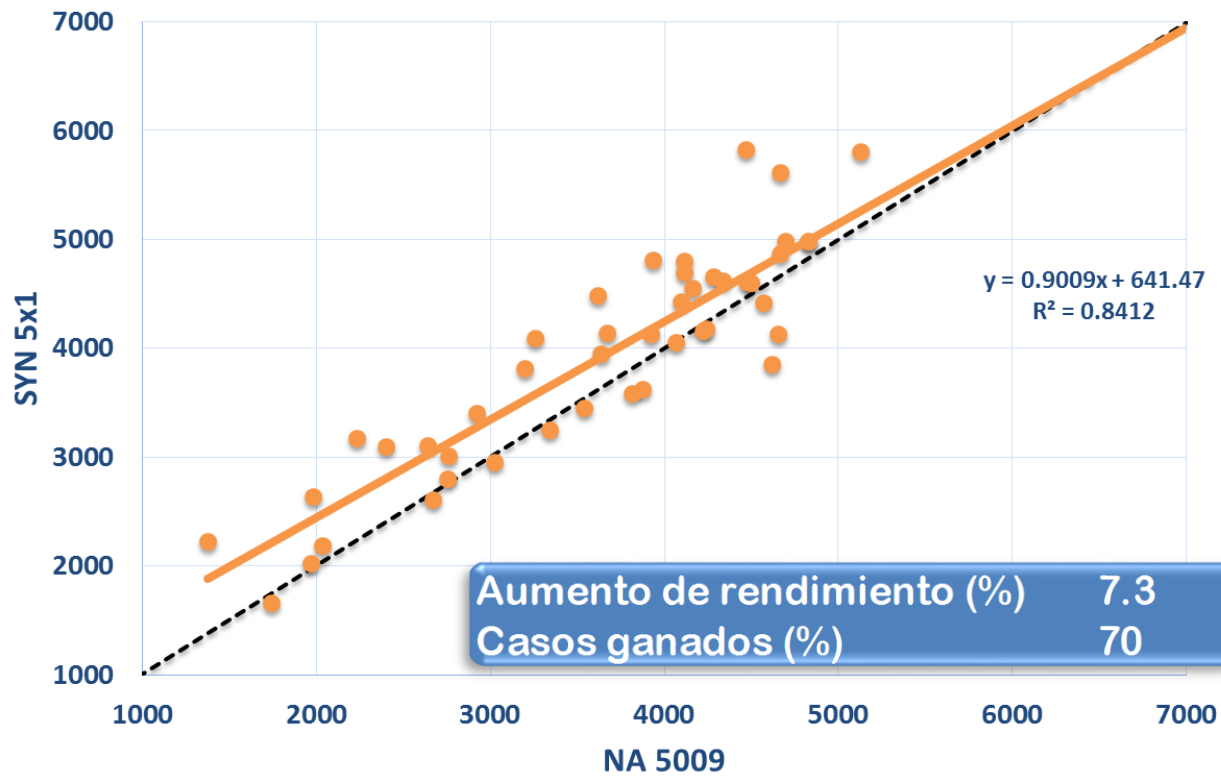
NA 5009

NA 5009 vs DM 53i53 IPRO



NA 5009

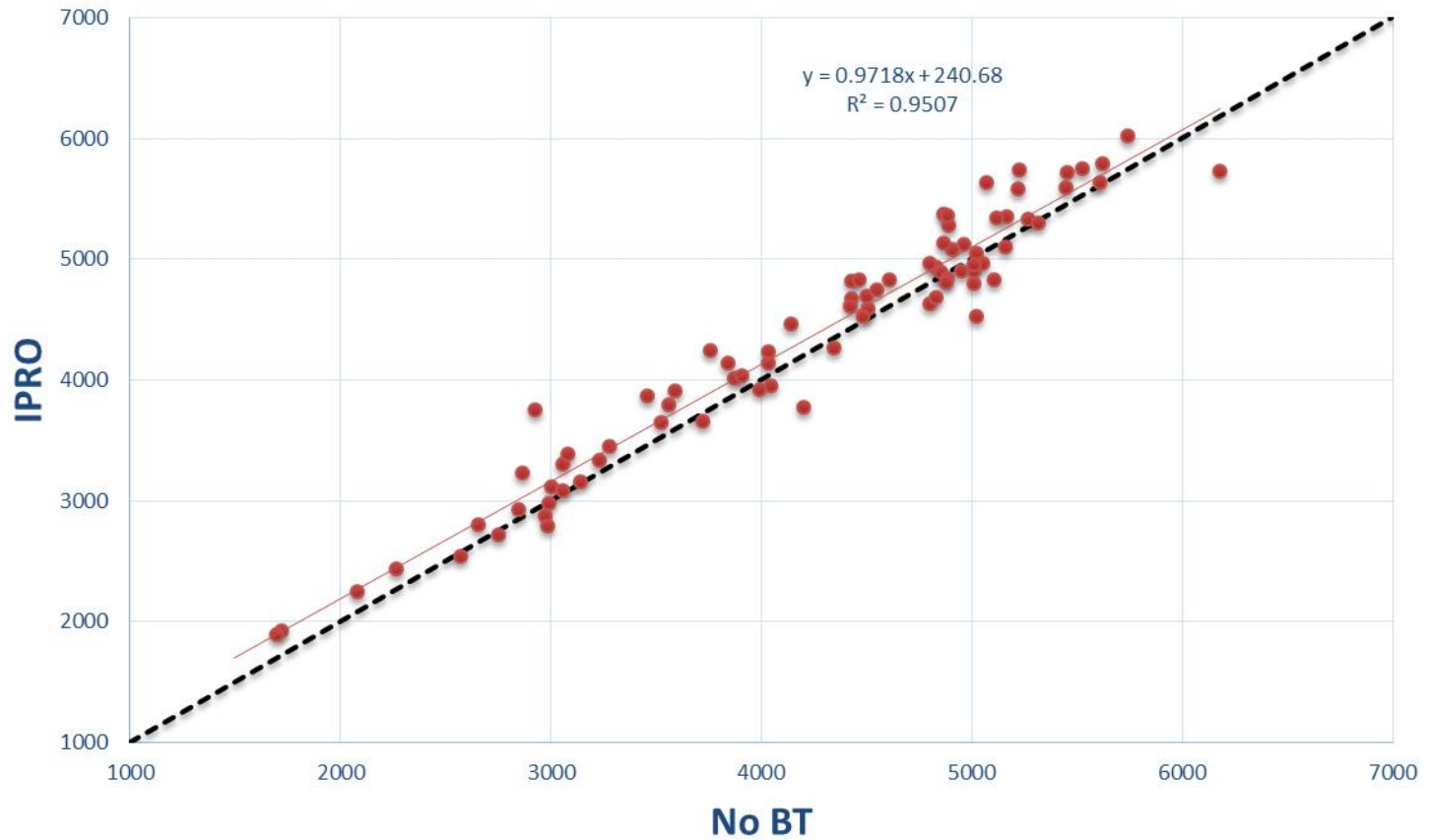
NA 5009 vs SYN 5x1



A wide-angle photograph of a lush green soybean field stretching to the horizon under a clear blue sky. The plants are densely packed and appear healthy. A semi-transparent white rectangular box is centered over the middle of the image, containing the text "IPRO vs No BT" in a bold, black, sans-serif font.

IPRO vs No BT

GM III largo

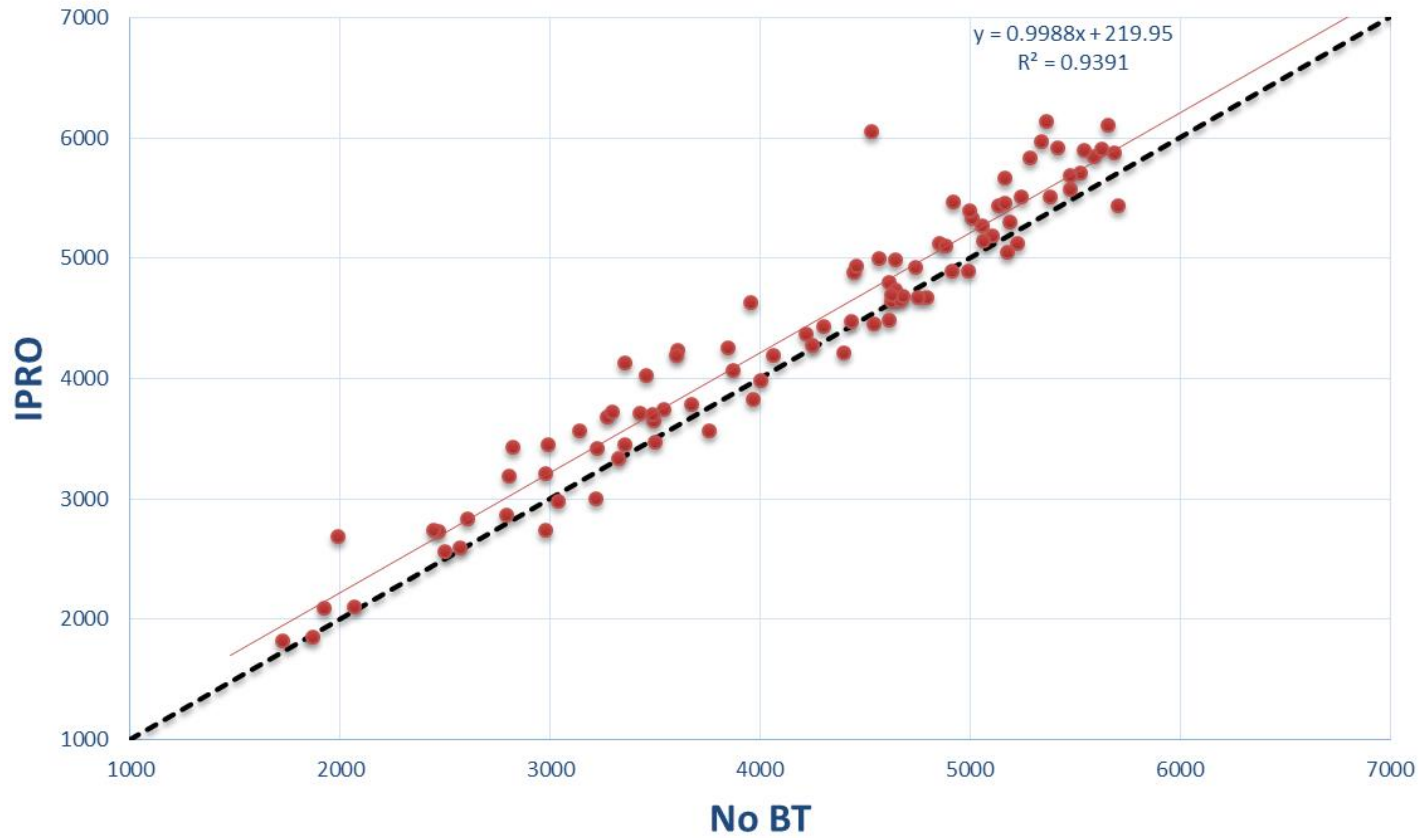


IPRO vs No BT

GM III largo

| GM III largo | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 170 | 128 | 86 |

GM IV corto

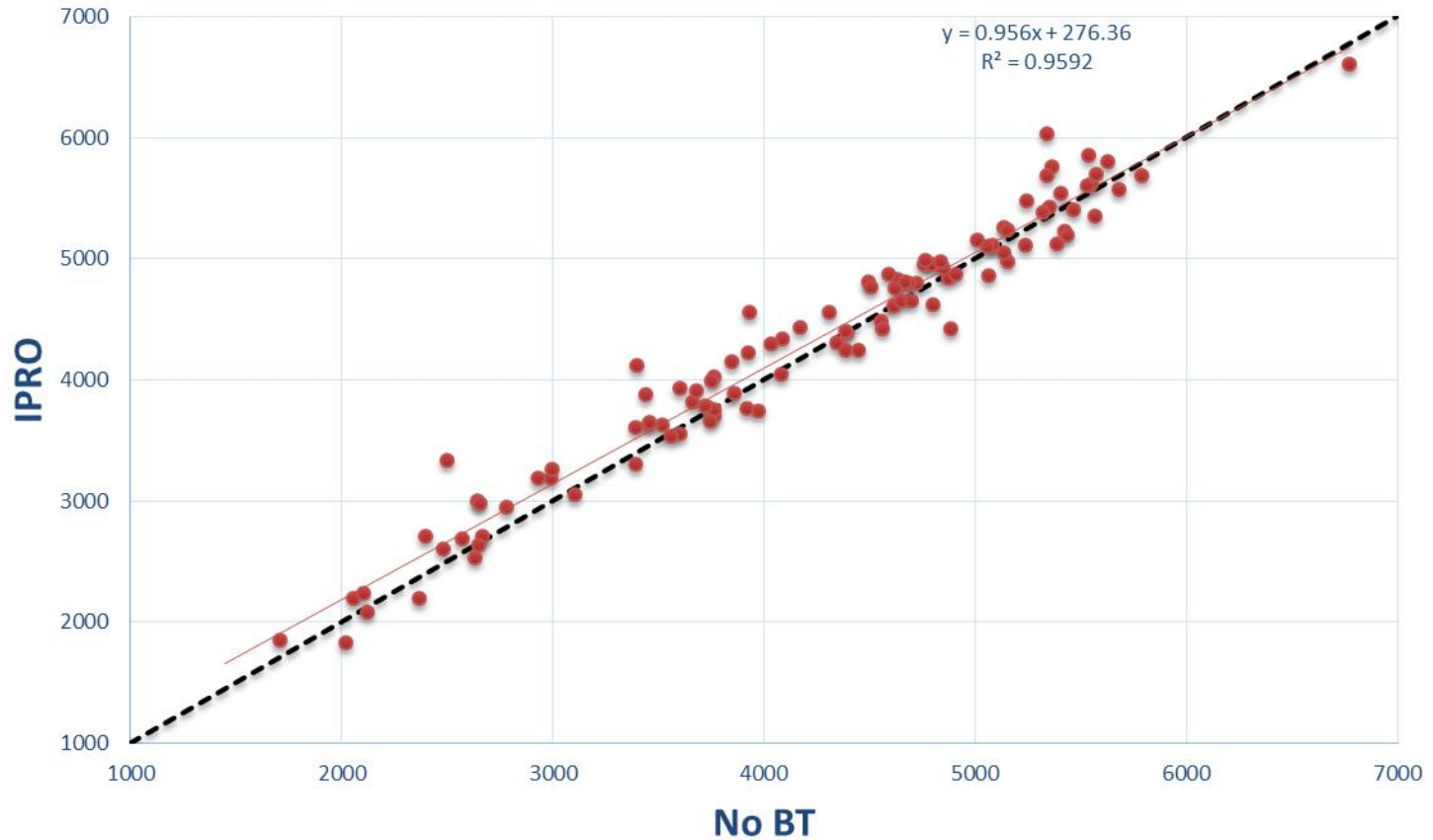


IPRO vs No BT

GM IV corto

| GM IV corto | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 217 | 215 | 213 |

GM IV largo

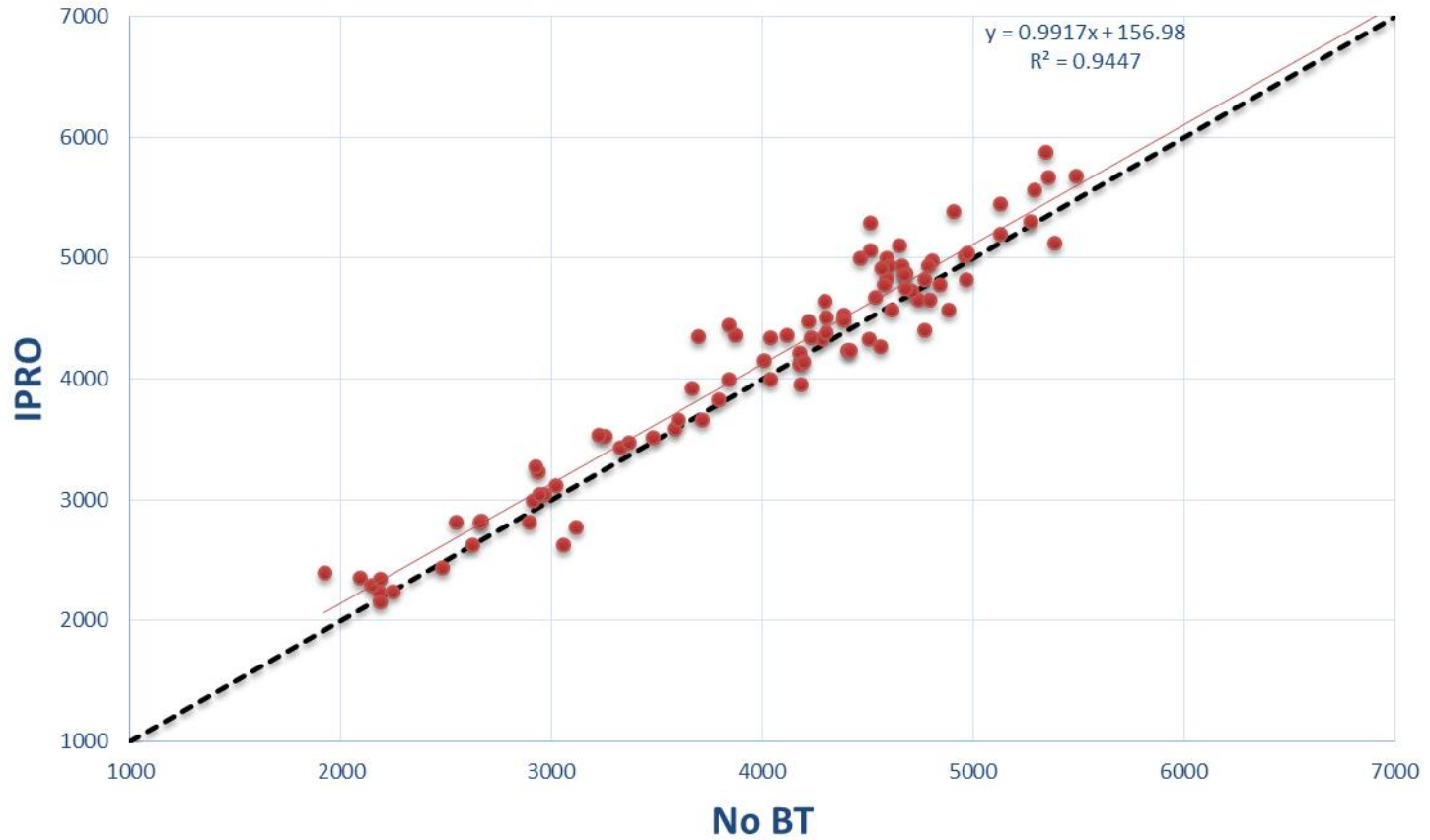


IPRO vs No BT

GM IV largo

| GM IV largo | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 166 | 100 | 34 |

GM V corto

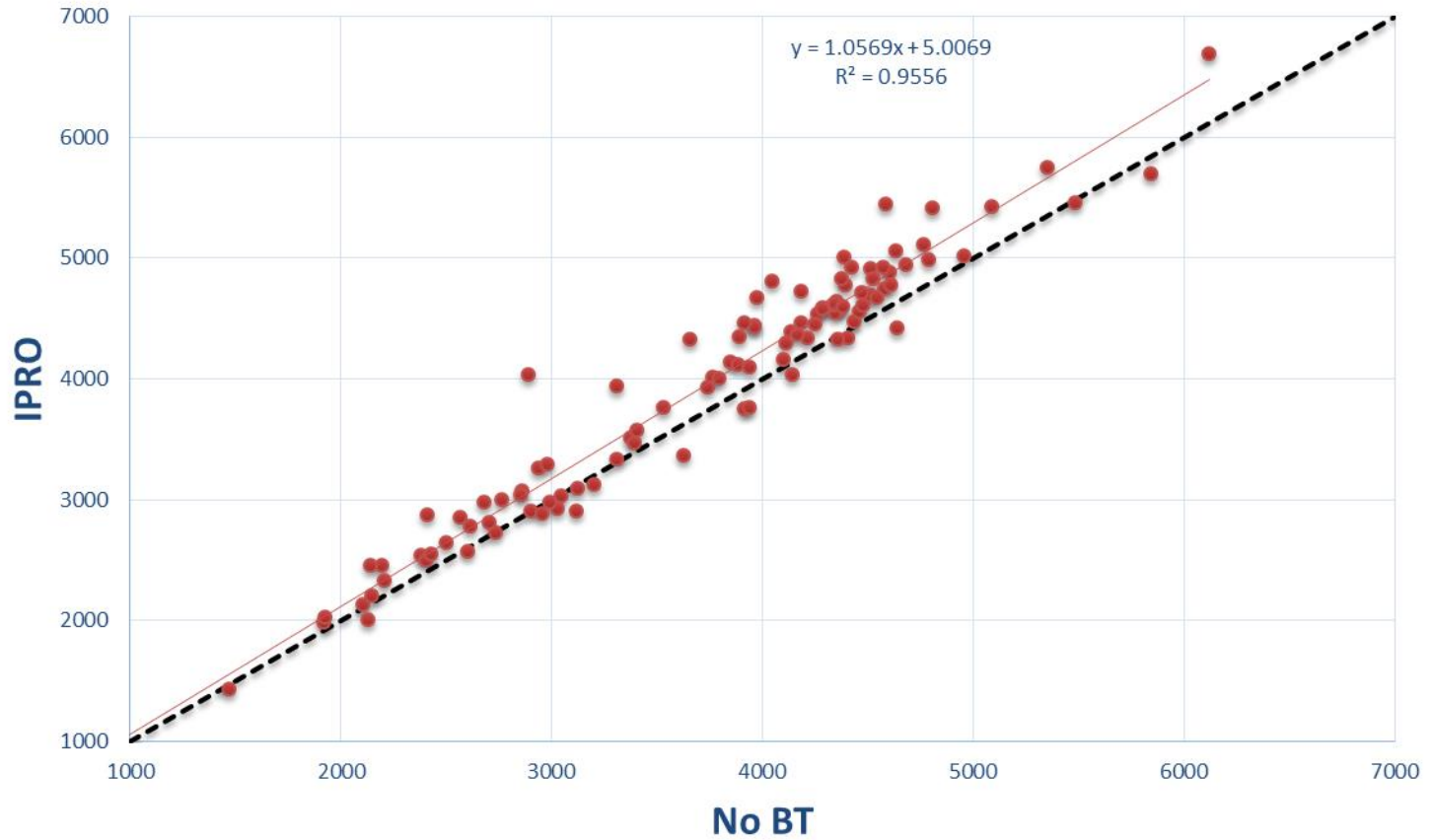


IPRO vs No BT

GM V corto

| GM V corto | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 136 | 124 | 111 |

GM V largo

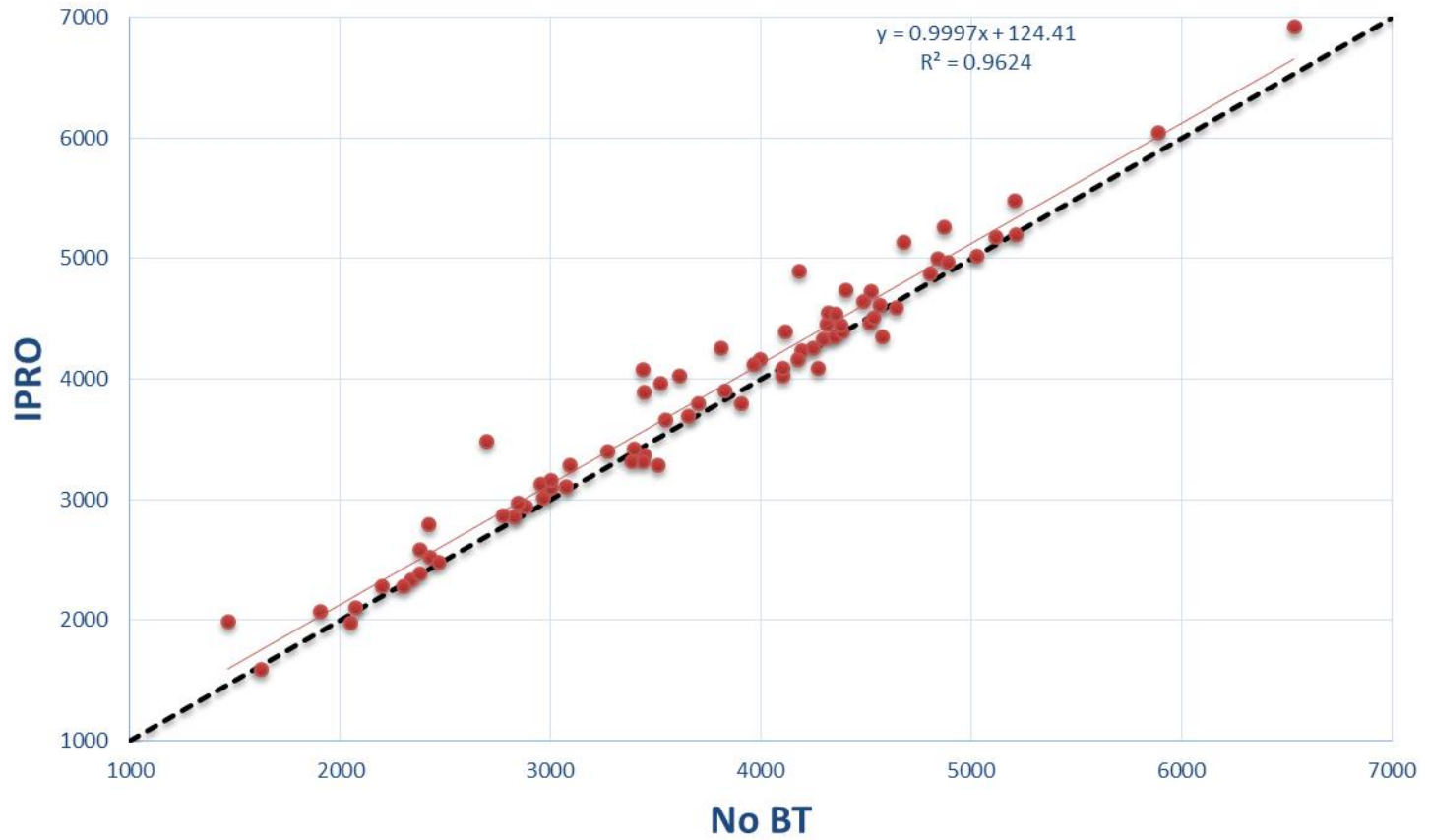


IPRO vs No BT

GM V largo

| GM V largo | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 147 | 233 | 318 |

GM VI



IPRO vs No BT

GM VI

| GM VI | | | |
|-------------------|------|------|------|
| Rendimiento No BT | 2500 | 4000 | 5500 |
| Diferencia IPRO | 124 | 123 | 123 |

Resumen IPRO vs No BT

| | Rendimiento No BT | 2500 | 4000 | 5500 |
|----------------------------|-------------------|------|------|------|
| Diferencia IPRO (kg/ha) | GM III largo | 170 | 128 | 86 |
| | GM IV corto | 217 | 215 | 213 |
| | GM IV largo | 166 | 100 | 34 |
| | GM V corto | 136 | 124 | 111 |
| | GM V largo | 147 | 233 | 318 |
| | GM VI | 124 | 123 | 123 |

Muchas gracias.

www.lares-srl.com

luisariasusan@lares-srl.com