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(Brassica napus L.)

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Archive of SID

RG405/02

.2002)

(Brassica napus)

.(Khajepur, 1999)

.(Anonymous, 2003)

-
1. Viability
 2. Seed Germinability
 3. Vigor

E-mail: samanehmottaghi@yahoo.com

(Fox, 2001; Johnson et al.,

: : *

(Fox, 2001)

(1997) Angady & Umapathy

(Copeland, 1976)

(McDonald &

Copelant, 1997)

(Wood et al.,

(1991) Tekrony & Elgi .1980)

(2004) Sajan et al. .

(2000) Ahmadi

(2003) Devi et al. .

(Pollock & Ross, 1972)

(Perry & Harrison, 1997)

(1995) Egli & Tekrony

(Hampton & Tekrony, 1995)

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± (indoosaw-6785)

AMICA RGS003
 HYOLA308 HYOLA330 HYOLA401 OPTION500
 RG4403 RG405/02 ORS3150-3006 KIMBERLY
 PP401 RG405/03

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:(Hunter, et al., 1984)

$$= \frac{\sum n d}{\sum n}$$

:(Ellis & Roberts, 1981)

$$\left(\right) = \frac{\sum (nd)}{\sum n}$$

n

d

±
(Abba & Lovato, 1998)

$$\sum n d$$

(Maquire,

.1962)

.(Abdul-Baki & Anderson, 1973)

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- 5. Germinator.
 - 6. Mean Daily Germination
 - 7. Mean Time to Germination
 - 8. Daily Mean Germination

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- 1. Growth Degree Day (GDD)
 - 2. Low Constant Temperature Oven Method
 - 3. Standard Germination Test
 - 4. International Seed Testing Association (ISTA)

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(Anonymous,2003)

$$\frac{1}{(\quad)}$$

$$\frac{1}{(\quad)} \times$$

(Ellis & Roberts, 1981)

$$\frac{1}{(\quad)}$$

$$\frac{1}{(\quad)} = \frac{(\quad)}{(\quad)}$$

$$\frac{1}{(\quad)} = \frac{[\frac{D - (D \times H)}{100}]}{H} \times D$$

$$(r = /)$$

(Azizi et al., 1999)

HYOLA401 RG405/02

AMICA

$$(\quad)$$

$$(\quad) \times$$

SAS(ver 6.12)

(Genter & Jones, 1970)

(Singletary et al., 1994)

-
1. Normal Seedling
 2. Abnormal Seedling
 3. Seedling Vigor Index

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/	*	/	**	/	ns	/	**	/	**	/	**
/	ns	/	ns	/	**	/	**	/	**	/	**
/	ns	/	*	/	*	/	**	/	*	/	ns
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/		/		/		/		/		/	% C.V.
							ns	/	/		** *

/	**	/	**	/	*	/	ns	/	*	/	**
/	*	/	**	/	**	/	ns	/	*	/	**
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/		/		/		/		/		/	% C.V.
							ns	/	/		** *

							(gr)						
/	a	/	a	/	a	/	b	/	b	/	a	(I ₁)	
/	b	/	b	/	b	/	a	/	a	/	b	(I ₂)	
/	bc	/	abc	/	bc	/	a	/	a	/	b	(V ₁)	RG5003
/	d	/	e	/	bc	/	ab	/	a	/	e	(V ₂)	AMICA
/	abc	/	abc	/	abc	/	abc	/	a	/	bc	(V ₃)	OPTION500
/	abc	/	a	/	a	/	c	/	a	/	a	(V ₄)	HYOLA401
/	abc	/	abc	/	abc	/	abc	/	a	/	bc	(V ₅)	HYOLA330
/	bcd	/	abc	/	ab	/	bc	/	a	/	de	(V ₆)	HYOLA308
/	cd	/	ab	/	abc	/	ab	/	a	/	de	(V ₇)	KIMBERLY
/	cd	/	ab	/	bc	/	ab	/	a	/	bc	(V ₈)	PP401
/	bc	/	bc	/	c	/	ab	/	a	/	cde	(V ₉)	ORS3150-3006
/	ab	/	a	/	abc	/	abc	/	a	/	b	(V ₁₀)	RG4403
/	abc	/	bc	/	bc	/	ab	/	a	/	bcd	(V ₁₁)	RG405/03
/	a	/	a	/	abc	/	abc	/	a	/	a	(V ₁₂)	RG405/02

AMICA RG405/02

RG405/02

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PPP401 RGS003 HYOLA308

KIMBERLY RG405/02 (r = /)

RG4403 RG405/02 (r = /)

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AMICA OPTION500

HYOLA401 () (Hatami et al., 2002)

RG405/02 RG4403

OPTION500 RG405/02

KIMBERLY

() KIMBERLY ()

RG405/02 RG4403

HYOLA330

KIMBERLY AMICA

Green et al. () (1965, 1966)

(Hampton & Tekrony, 1995)

(1999) Sawan et al.

() (2003) Sharma & Anderson .

(1993) Franca et al.

(Elliott & Saskatoon Research

Abba & Lovato .Center, 2003)

(1998)

.(Wood et al., 1980)

HYOLA401 RG405/02
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RG405/02 HYOLA401
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RG405/02 AMICA .()
RG4403
RG405/02 (r= /)
(r= /) (r= /)
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(1998) Larsen et al. ()
(1999) Makawi et al.
RG4403
AMICA
RGSOO3 (Maguire, 1962) PP401
HYOLA401 AMICA
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RGSOO3
HYOLA401 (r= /)
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OPTION500 AMICA ()
PP401
ORS3150-3006 HYOLA401

HYOLA330 ()
KIMBERLY

(1984) Hunter et al. () (r= /)

(Anonymous, 2003)

HYOLA401 RG405/02
AMICA
RG405/02 ()
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(r= /)
(r= /) (r= /)

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