

REGISTRATION REPORT
Part B
Section 3
Efficacy Data and Information
Concise summary

Product code: ADM.06001.H.2.B

Product name: Edaptis

Chemical active substances:

Mesosulfuron-methyl, 12 g/L

Pinoxaden, 60 g/L

Safener:

Mefenpyr-diethyl, 35 g/L

Central Zone
Zonal Rapporteur Member State: Poland

NATIONAL ADDENDUM Poland
(extension of use)

Sponsor: ADAMA Agan Ltd.
Applicant: ADAMA Polska Sp. z o.o.
Submission date: June 2021, update: March 2022
MS Finalisation date: October 2022 (initial National Assessment)
September 2023, December 2023 (final National Assessment)

Version history

When	What
June 2021	Initial dRR – ADAMA Polska Sp. z o.o.
March 2022	Updated dRR (additional selectivity and efficacy trials added) – ADAMA Polska Sp. z o.o.
October 2022	Initial zRMS assessment The report in the dRR format has been prepared by the Applicant, therefore all comments, additional evaluations and conclusions of the zRMS are presented in grey commenting boxes. Minor changes are introduced directly in the text and highlighted in grey. Not agreed or not relevant information are struck through and shaded for transparency.
September 2023	Final report (Core Assessment updated following the commenting period) Additional information/assessments included by the zRMS in the report in response to comments received from the cMS and the Applicant are highlighted in yellow. Information no longer relevant is struck through and shaded.
December 2023	Final report (Core Assessment updated following the second commenting period) No additional information or assessments after the second commenting period.

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3 Efficacy Data and Information (including Value Data) on the Plant Protection Product (KCP 6)

Transformation of the dRR (applicant version) into the RR (zRMS version)

Comments of zRMS:

Conclusions from the evaluation were prepared using grey commenting boxes placed at the end of each chapter. Textual changes were done using grey highlights in the text. The parts of the text amended or added by the zRMS evaluator are highlighted in grey, whereas the parts struck off are also ~~visibly marked with the grey font.~~

3.1 Summary and conclusions of zRMS on Section 3: Efficacy (KCP 6)

Abstract

This application has been submitted for authorization of the herbicide ADM.06001.H.2.B (Edaptis) applied in tank mixtures: with adjuvant Insert and with the herbicide Camaro 306 SE for the post-emergence control of grass and broad-leaved weeds in winter wheat, winter rye and winter triticale.

The submitted data package (22 efficacy trials and 27 selectivity trials) is sufficient for the evaluation of the herbicide ADM.06001.H.2.B applied in tank mixture with adjuvant Insert at dose rates: 0.5-1.0 L/ha + 0.2 L/ha and with the herbicide Camaro 306 SE at target dose rates 0.5 L/ha + 0.5 L/ha.

Efficacy

Based on the efficacy trial results, the following classification of weed species susceptibility can be included in the label of ADM.06001.H.2.B for tank mixtures of ADM.06001.H.2.B with adjuvant Insert and with the herbicide Camaro 306 SE:

ADM.06001.H.2.B at 0.5 L/ha + Insert at 0.2 L/ha

Susceptible weed species: ~~ALOMY~~, APESV, AVEFA, POAAN

Moderately susceptible weed species: CAPBP, STEME

Moderately tolerant weed species: BRSNW, MATIN

Tolerant weed species: CENCY, GALAP, LAMPU, VERPE, VIOAR

ADM.06001.H.2.B at 1.0 L/ha + Insert at 0.2 L/ha

Susceptible weed species: ~~ALOMY~~, APESV, BRSNW

Moderately tolerant weed species: LAMPU

Tolerant weed species: GALAP, VERPE, VIOAR

ADM.06001.H.2.B at 0.5 L/ha + Camaro 306 SE at 0.5 L/ha

Susceptible weed species: ~~ALOMY~~, APESV, AVEFA, BRSNW, CAPBP, LAMPU, MATIN, STEME

Moderately susceptible weed species: GALAP, VERPE, VIOAR

ALOMY has been removed for tank mixtures:

- 0.5 l/ha Edaptis + 0.2 l/ha adjuvant Insert

- 0.5 l/ha Edaptis + 0.5 l/ha Camaro

at the request of the applicant (in order to minimize the risk of occurrence and development of ~~ALOMY~~ resistance to active substance pinoxaden), while commenting period of the herbicide ADM.06001.H.2.B.

Phytotoxicity, yield, germination

The herbicide ADM.06001.H.2.B applied with the adjuvant Insert or with the herbicide Camaro 306 SE at recommended dose rates can be safely used in winter wheat, winter rye and winter triticale without risk of consistent crop damages and without risk of adverse effects on the quality and quantity of the crop yield and on seed germination.

To prevent any phytotoxicity occurrence, it is recommended to include in the label remark to avoid overlapping of the spray liquid and not to perform treatments in time when crops are under stress due to unfavorable environmental conditions and when crops are weakened or damaged by pests, frosts, flooding or drought.

Table 3.1-1: Acceptability of intended uses (and respective fall-back GAPs, if applicable)

Acceptability of intended uses (and respective rate) such GHS, if applicable)														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Use- No. *	Member state(s)	Crop and/ or situation (crop destination / purpose of crop)	F, Fn, G, Gn, Gnp or I **	Pests or Group of pests controlled (additionally: devel- opmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks: e.g. g safener/ synergist per ha, other dose rate expression, dose range (min-max)	zRMS Conclusion (efficacy)
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg or L prod- uct / ha a) max. rate per appl. b) max. total rate per crop/season	g or kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha min / max			
Zonal uses (field or outdoor uses, certain types of protected crops)														
1	PL	TRZAW (Winter wheat) SECSS (rye) TTLSS (triticale)	F	ALOMY, APESV, AVESS, LOLPE, LOLMU, BROSS, POAAN, POATR, Broad- leaved weeds	SPRAY	BBCH 13-29 (spring)	1	n.a.	a) 0,75 l/ha b) 0,75 l/ha				Mefenpyr-diethyl applied as a safener at 26.3 g/ha Applied in tank mix with adjuvant Insert : 0,5-1,0 + 0,2 l/ha (Insert) And with Camaro 306 SE: 0,5 + 0,5 l/ha (Camaro 306 SE)	
2	PL	TRZAW (Winter wheat) SECSS (rye) SECCW (winter rye) TTLSS (triticale) TTLWI (winter triticale)	F	ALOMY, APESV, AVESS, AVEFA, LOLPE, LOLMU, BROSS, BROST, POAAN, POATR, annual broad- leaved weeds	SPRAY	BBCH 20-39 (spring)	1	n.a.	a) 1,0 l/ha b) 1,0 l/ha	a) 12 / 60 g/ha b) 12 / 60 g/ha	80 / 300		Mefenpyr-diethyl applied as a safen- er at 26.3 g/ha Applied in tank mix with adjuvant Insert : 0,5-1,0 + 0,2 l/ha (Insert) And with Camaro 306 SE: 0,5 + 0,5 l/ha (Camaro 306 SE) Dose range 0.75- 1.0 L/ha	A

* Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1.

** F: professional field use, Fn: non-professional field use, Fpn: professional and non-professional field use, G: professional greenhouse use, Gn: non-professional greenhouse use, Gpn: professional and non-professional greenhouse use, I: indoor application

Column 15: zRMS conclusion.

A	Acceptable
R	Acceptable with further restriction
C	To be confirmed by cMS
N	Not acceptable / evaluation not possible

**Comments of zRMS on:
GAP table**

ZRMS has made amendments to the GAP table in accordance with the updated GAP table included in part B0 and submitted by the applicant in September 2022. The amendments concerned application timing of ADM.06001.H.2.B in winter cereals and inclusion of the dose range in the column 14.

3.2 Efficacy data (KCP 6)

Introduction

This document summarises the information related to the efficacy of the plant protection product ADM.06001.H.2.B applied in tank mix with adjuvant: Insert and plant protection product Camaro 306 SE for use as a herbicide for control of grass and broad-leaved weeds in winter cereal crops.

This registration report gives a concise summary of data on the efficacy, crop safety and other Section 3 data points submitted in support of the registration of ADM.06001.H.2.B, an Oil Dispersion (OD) formulation containing 60 g/L pinoxaden, 12 g/L mesosulfuron-methyl and 35 g/L mefenpyr-diethyl (safener) in Poland (the EU Central Registration zone) applied in tank mix with adjuvant: Insert and plant protection product Camaro 306 SE for use as a herbicide for control of grass and broad-leaved weeds in winter cereal crops.

Description of active substances

Pinoxaden was introduced by Syngenta AG and first marketed in 2006. Subsequently products containing pinoxaden, as sole active substance and in co-formulations with other herbicides, were introduced worldwide for use in cereals. Pinoxaden is a herbicide belonging to the phenylpyrazolines family (“den”) and mode of action is classified in HRAC group 1 (ACCase inhibitors), which has herbicidal activity against grass weed species.

Mesosulfuron-methyl is an herbicide belonging to the sulfonylureas family and mode of action is classified in HRAC group 2 (ALS inhibitors), which has herbicidal activity against grass and broad-leaved weed species

Mefenpyr-diethyl was developed and introduced by Bayer Crop Science for use in cereals. It is a safener and registered in combination with various herbicides in countries worldwide.

Mode of action

Pinoxaden is a post emergent herbicide and is readily taken up by the leaves and translocated both up (acropetally) and down (basipetally) in the plant to the growing shoot and roots. Pinoxaden provides very little soil activity, as it is rapidly degraded in soil and poorly taken up by the roots. After foliar absorption, pinoxaden is translocated and distributed by phloem and xylem within a plant, where it exerts its action on the lipid synthesis in dividing cells. Pinoxaden inhibits both the chloroplastic and cytosolic ACCase enzyme in monocotyledonous weeds. The chloroplastic enzyme is responsible for the “de novo” fatty acid biosynthesis, and the cytosolic ACCase, responsible for the elongation of VLFA (very long chain fatty acids). Its product, the cytosolic malonyl-CoA is involved in anthocyan biosynthesis. One of the properties of the existing herbicides (aryloxyphenoxypionates and cyclohexanediones - fop’s and dim’s) is their specific inhibition of the chloroplastic ACCase in monocotyledonous plants only. There is also evidence from biochemical studies and metabolite profiling that pinoxaden has a different molecular binding site on the chloroplastic ACCase enzymethan the “fop” herbicides such as clodinafop. It is claimed that this is supported by the resistance profile of pinoxaden on certain target site resistant *Lolium* biotypes, which is different to clodinafop. Crop tolerance within monocotyledonous species is based on different metabolic kinetics. Tolerant crops like wheat, triticale and rye can metabolize the herbicide faster than susceptible monocotyledonous weeds.

Mesosulfuron-methyl is a sulfonylurea compound that has a herbicidal mode of action that involves inhibition of acetolactate synthase (ALS). Acetolactate synthase is the first enzyme in the biosynthesis of branched-chain amino acids such as valine, leucine or isoleucine. Therefore mesosulfuron-methyl affects the formation of protein and influences the division of cells to inhibit plant growth and cause leaf discoloration followed by necrosis, eventually leading to plant death. The active substance is distributed systemically throughout the whole plant via the phloem after uptake through both the leaves and to a lesser extent the roots, primarily acting on the foliage. When applied early, soil activity can occur on germinating seed and seedlings in the top soil layer but generally mesosulfuron-methyl has limited residual efficacy through the soil. The efficacy of mesosulfuron-methyl against susceptible

weed species is reliant on good weather conditions following application to promote active weed growth and uptake of the active ingredient. Mesosulfuron-methyl has good activity against a range of annual grass and broad-leaved weed species and selectivity in cereals is due to a more rapid rate of metabolism and degradation to inactive metabolites in the plant, which occurs from splitting of the urea compounds and hydrolysis of esters.

Mefenpyr-diethyl is a safener used in combination with herbicides. The compound was developed for use in cereals. The safener, when applied in combination with herbicides, allows selective post-emergence control of grass weeds in cereal crops without antagonizing the herbicidal effectiveness. Mode of action studies with fenoxaprop-P-ethyl showed that the initial rate of herbicide uptake via the foliage was slightly lower in presence than in absence of the safener. This effect, however, was apparent in barley and wheat as well as in wild oat and therefore not related to the selective biological action of the safener. The selective action of the safener is based on its property to trigger an enhanced detoxification of the herbicide in the cereal crops, but not in the grass weed species. Relevant metabolites in plants are monoethyl ester, dicarboxylic acid and after decarboxylation the metabolite 1-(2,4-dichlorophenyl)-5-methylpyrazole-3-carboxylic acid.

Table 3.2-1: Details of the active substances

Active substance	pinoxaden	mesosulfuron-methyl	mefenpyr-diethyl
Chemical group	phenylpyrazoline	sulfonylurea	Safener
Mode of action	inhibition of Acetyl CoA carboxylase	inhibition of acetolactate synthase (ALS)	/
HRAC group	1	2	/
Plant translocation	Systemic	Systemic	/
Biological action	Post-emergence herbicide	Post-emergence herbicide	Safener

Description of the plant protection product

ADM.06001.H.2.B, formulated as an Oil Dispersion (OD) formulation, containing 60 g pinoxaden/L, 12 g mesosulfuron-methyl/L and 35 g/L mefenpyr-diethyl (safener), is intended for use as a herbicide for the control of grass and broad-leaved weed species in the ~~spring~~ winter wheat, ~~winter~~ triticale, ~~winter~~ rye at single solo or/and spring application in tank mix;

with adjuvant Insert:

ADM.06001.H.2.B: 0,5 l/ha – 1,0 l/ha + Insert 0,2 l/ha

with Camaro 306 SE:

ADM.06001.H.2.B: 0,5 l/ha + 0,5 l/ha Camaro 306 SE

Table 3.2-1: Simplified table of currently registered uses and requested uses for the product code.

Uses		Member State	Requested rate(s)	Comments / Other relevant details on GAPs
Crops	Target			
Winter wheat (TRZAW)	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	0,5 l/ha + 0,5 l/ha 0,5-1,0 l/ha + 0,2 l/ha	Adjuvant Insert – 0,2 l/ha Camaro 306 SE – 0,5 l/ha
Winter rye (SECCW)	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	0,5 l/ha + 0,5 l/ha 0,5-1,0 l/ha + 0,2 l/ha	Adjuvant Insert – 0,2 l/ha Camaro 306 SE – 0,5 l/ha
Winter triticale (TTLWI)	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	0,5 l/ha + 0,5 l/ha 0,5-1,0 l/ha + 0,2 l/ha	Adjuvant Insert – 0,2 l/ha Camaro 306 SE – 0,5 l/ha

Further details are in the table “All intended uses” in Part B - Section 0.

Description of the target pests

Table 3.2-2: Glossary of pests mentioned in the dossier.

EPPO code	Scientific name
ALOMY	<i>Alopecurus myosuroides</i>
APESV	<i>Apera spica-venti</i>
AVEFA	<i>Avena fatua</i>
BRSNW	<i>Brassica napus</i>
CAPBP	<i>Capsella bursa-pastoris</i>
CENCY	<i>Centaurea cyanus</i>
GALAP	<i>Galium aparine</i>
GERPU	<i>Geranium pusillum</i>
LAMAM	<i>Lamium amplexicaule</i>
LAMPU	<i>Lamium purpureum</i>
MATCH	<i>Matricaria chamomilla</i>
MATIN	<i>Matricaria inodora</i>
MELAL	<i>Melandrium album</i>
MYOAR	<i>Myositis arvensis</i>
PAPRH	<i>Papaver rhoeas</i>
POAAN	<i>Poa annua</i>
POLCO	<i>Polygonum convolvulus</i>
STEME	<i>Stellaria media</i>
THLAR	<i>Thlapsi arvense</i>
VERHE	<i>Veronica hederifolia</i>
VERPE	<i>Veronica persicaria</i>
VIOAR	<i>Vioar arvensis</i>

* optional

Table 3.2-3: Major / minor status of intended uses (for all cMS and zRMS).

Crop and/or situation	Crop status		Pests or group of pests controlled	Pest status	
	Major	minor		Major	minor
Winter wheat	PL	-	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	-
Winter triticales	PL	-	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	-
Winter rye	PL	-	ALOMY, APESV, AVEFA, POAAN, Broad-leaved weeds	PL	-

Compliance with the Uniform Principles

Trials were carried out by testing organisations, all of which followed the available EPPO guidelines and are officially recognized by the competent authorities to carry out field registration trials in accordance with the principles of Good Experimental Practice (GEP). The design and analysis of results and reporting of the studies were carried out in compliance with the general EPPO Guidelines PP

1/93(4), PP /135(4), PP 1/181(4), PP 1/152(4).

Information on trials submitted (3.1 Efficacy data)

Table 3.2-4: Presentation of trials (efficacy trials)

Table 3.12. 11. Presentation of trials (emerge, trials)								
Crop(s) *	Target(s)*	Country	Years	Type of trial**	Number of trials		GEP, non-GEP, official***	Comments (any other relevant information)
					(number of valid trials)			
					North-East zone	-		
TRZAW (post emergence)	<i>Alopecurus Myosuroides</i> (ALOMY)	Poland	2018-2021	E	6(6) 8(8)	-	GEP	
	TOTAL	-	2018-2021	-	6(6) 8(8)	-	-	
TRZAW (post emergence)	<i>Apera spica-venti</i> (APESV)	Poland	2020-2021	E	9(9) 11 (11)	-	GEP	
	TOTAL	-	2020-2021	-	9(9) 10 (10)	-	-	
TRZAW (post emergence)	<i>Avena fatua</i> (AVEFA)	Poland	2020	E	3(3) 4(4)	-	GEP	
	TOTAL	-	2020	-	3(3) 4(4)	-	-	
TRZAW (post emergence)	<i>Brassica napus</i> (BRSNW)	Poland	2020	E	6(6)	-	GEP	
	TOTAL	-	2020	-	6(6)	-	-	
TRZAW (post emergence)	<i>Capsella bursa-pastoris</i> (CAPBP)	Poland	2020	E	4(4) 5 (5)	-	GEP	
	TOTAL	-	2020	-	4(4) 5 (5)	-	-	
TRZAW (post emergence)	<i>Centaurea cyanus</i> (CENCY)	Poland	2020 - 2021	E	4(4) 5 (5)	-	GEP	
	TOTAL	-	2020-2021	-	4(4) 5 (5)	-	-	
TRZAW (post emergence)	<i>Galium aparine</i> (GALAP)	Poland	2018-2020	E	6(6) 7(7)	-	GEP	
	TOTAL	-	2018-2020	-	6(6) 7(7)	-	-	
TRZAW (post emergence)	<i>Geranium pusillum</i> (GERPU)		2021	E	1(1)		GEP	
			2021	-	1(1)			
TRZAW (post emergence)	<i>Lamium amplexicaule</i> (LAMAM)	Poland	2020	E	1(1)	-	GEP	
	TOTAL	-	2020	-	1(1)	-	-	
TRZAW (post emergence)	<i>Lamium purpureum</i> (LAMPU)	Poland	2020-2021	E	5(5)	-	GEP	
	TOTAL	-	2020-2021	-	5(5)	-	-	
TRZAW (post emergence)	<i>Matricaria chamomilla</i> (MATCH)	Poland	2020	E	2(2)	-	GEP	

Crop(s) *	Target(s)*	Country	Years	Type of trial**	Number of trials		GEP, non-GEP	Comments
	TOTAL							
TRZAW (post emergence)	<i>Matricaria inodorum</i> (MATIN)	Poland	2020-2021	E	10(10) 11 (11)	-	GEP	
	TOTAL	-	2020-2021	-	10(10) 11 (11)	-	-	
TRZAW (post emergence)	<i>Melandrium album</i> (MELAL)	Poland	2020	E	1(1)	-	GEP	
	TOTAL	-	2020	-	1(1)	-	-	
TRZAW (post emergence)	<i>Myosotis arvensis</i> (MYOAR)	Poland	2020	E	1(1)	-	GEP	
	TOTAL	-	2020	-	1(1)	-	-	
TRZAW (post emergence)	<i>Papaver rhoeas</i> (PAPRH)	Poland	2020	E	3(3)	-	GEP	
	TOTAL	-	2020	-	3(3)	-	-	
TRZAW (post emergence)	<i>Poa annua</i> (POAAN)	Poland	2020	E	4(4)	-	GEP	
	TOTAL	-	2020	-	4(4)	-	-	
TRZAW (post emergence)	<i>Polygonum convolvulus</i> (POLCO)	Poland	2021	E	1(1)		GEP	
	TOTAL		2021	-	1(1)			
TRZAW (post emergence)	<i>Stellaria media</i> (STEME)	Poland	2020-2021	E	5(5)	-	GEP	
	TOTAL	-	2020-2021	-	5(5)	-	-	
TRZAW (post emergence)	<i>Thlapsi arvense</i> (THLAR)	Poland	2018-2020	E	2(2)	-	GEP	
	TOTAL	-	2018-2020	-	2(2)	-	-	
TRZAW (post emergence)	<i>Veronica persica</i> (VERPE)	Poland	2020	E	5(5) 6 (6)	-	GEP	
	TOTAL	-	2020	-	5(5) 6 (6)	-	-	
TRZAW (post emergence)	<i>Veronica hederifolia</i> (VERHE)	Poland	2021	E	1(1)		GEP	
	TOTAL		2021	-	1(1)			
TRZAW (post emergence)	<i>Viola arvensis</i> (VIOAR)	Poland	2018-2021	E	14(14) 15 (15)	-	GEP	
	TOTAL	-	2018-2021	-	14(14) 15 (15)	-	-	
±	22	-	2018-2021	-	20(20) 22 (22)	-	-	

* According to the GAP table. Timing of the application(s) can be added if relevant (e.g. Pre-emergence vs post-emergence, spring vs autumn).

** P = preliminary trial, MED = minimum effective dose, E = efficacy trial.

*** GEP: Good Experimental Practices. Official: carried out by a national official organisation.

Table 3.2-5: Presentation of reference standards used in trials (efficacy trials)

Crop(s)	Reference standard	Country(ies) where the product is registered ⁽¹⁾	Authorization number	Active substance(s)	Formulation		Registered application rate ⁽³⁾	Application rate in trials (per treatment)	Remark ⁽⁴⁾
					Type ⁽²⁾	Concentration of a.s.			
TRZAW	Axial 50 EC	PL	R- 488/2017d	Pinoxaden	EC	50 g/L	0,6-1,2 l/ha	0,6-1,2	
	Atlantis 12 OD (+Biopower)	PL	R- 98/2009	iodosulfuron methyl-sodium mesosulfuron methyl	OD	2 g/L 10 g/L	0,45-1,2 l/ha	0,6-1,2	
	Atlantis Star (+Biopower)	PL	R - 174/2017	mesosulfuron methyl tienkarbazon metylu iodosulfuron methyl-sodium	WG	45 g/kg 22,5 g/kg 9 g/kg	0,15 - 0,33 kg/ha	0,2 – 0,33 kg/ha	
	Galaxo 150 WG (+ Ad-jusafner)	PL	R-131 /2020	Florasulam iodosulfuron methyl-sodium tribenuron-methyl	WG	25g/kg 50g/kg 75 g/kg	0,18 kg/ha	0,18 kg/ha	
TRZAW	Biopower 276,5 SL	PL	11059 - 24.10.2001	Sodium lauryl ether sulfate	SL	26,84 %		0,6-1,2 l/ha	
	Adjusafner	PL					0,1 l/ha	0,1 l/ha	

(1) only on use(s) applied for (with the test product).

(2) e.g. WP (wetttable powder), EC (emulsifiable concentrate), etc.

(3) dose(s) / dose range authorized on that use in the country.

(4) Other relevant information (e.g. uses, number of applications, spray volume, method of application, etc.).

3.2.1 Preliminary tests (KCP 6.1)

Please refer to core dossier

Comments of zRMS on: Preliminary tests (3.2.1)

Not applicable.

3.2.2 Minimum effective dose tests (KCP 6.2)

In total ~~20~~ **22** efficacy trials carried between 2018-~~2020~~ **2021** in winter wheat have generated valid data on the efficacy of ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE. Out of all efficacy trials conducted , tank mixture of ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) was tested in ~~10~~ **12** efficacy trials (2020), tank mixture of ADM.06001.H.2.B + Insert (0,5l/ha +0,2 l/a) was tested in ~~17~~ **19** trials, ADM.06001.H.2.B + Insert (1,0 l/ha of ADM.06001.H.2.B) was tested in 5 trials between 2018-2021.

Efficacy of both tank mixtures was compared to solo application of product ADM.06001.H.2.B , applied at reduced (50%), minimum (0,75 l/ha) and maximum target dose rate (1,0 l/ha).

All tested products were applied post emergence, on growing weeds, at single spring application.

Results are presented in Table 3.2 9.

At spring assessment, 21-29 DAA , at crop stage BBCH 33-51, dose response is clear visible in all weed species. According to the presented results, the target dose rate for tank mixtures:

ADM.06001.H.2.B + Insert (0,5-1,0 l/ha + 0,2 l/ha) and ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) should be considered as effective against a selected range of broad leaf weeds present on trial locations.

Table 3.2-6: Minimum effective dose. Efficacy of ADM.06001.H.2.B applied with adjuvant Insert and ADM.06001.H.2.B applied with product Camaro 306 SE at proposed label rate and 50% of the target dose rate compared to ADM.06001.H.2.B applied solo at maximum target dose rate 1,0 l/ha , 50% of the maximum target dose rate 0,5 l/ha and minimum target dose rate 0,75 l/ha , at assessment BBCH 33-51; DAA 21-29

Weed species	UNCK PLA/m2			ADM.06001.H.2.B 0,5 l/ha			ADM.06001.H.2.B 0,75 l/ha			ADM.06001.H.2.B 1,0 l/ha			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha		
	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
ALOMY	30,4	12,0	51	68,1	61,3	72,5	78,0	52,5	87,5	89,2	78,3	93,8	87,2	81,5	90,0	94,3	90,8	100,0	87,9	80,0	92,0
n	8			4			7			8			3			5			4		
APESV	19,7	8,0	46	82,7	80,0	87,5	88,9	68,8	97,5	93,9	75	98,8	91	62,5	100,0	100,0	100,0	100,0	84	63,8	96,3
n	11			9			11			9			10			1			6		
AVEFA	13	7,0	18,0	72,2	60,0	86,3	82,5	65	93,8	90,3	82,5	97,5	89,1	78,8	98,8		-		74,1	60,0	90,0
n	4			4			4			4			4			-			4		
BRSNW	6,7	5,0	9,3	64,4	0,0	87,8	71,9	2,5	97,5	80,2	35,0	98,3	67,8	32,5	91,0	98,6	98,3	98,8	98,4	93,8	100,0
n	6			6			6			6			4			2			4		
CAPBP	14,4	7,0	25,0	42,8	0,0	90,0	45,8	0,0	95,0	60,0	32,5	97,5	59,3	35,0	90,0		-		86,3	63,8	97,5
n	5			5			5			5			5			-			3		
CENCY	14,6	6,0	38	32,5	18,8	51,3	41,9	30,0	57,5	39,7	30,0	60,0	46,0	32,5	58,8	56,0	56,0	56,0	78,4	61,3	88,8
n	5			3			4			4			4			1			3		
GALAP	7,1	5,3	8,8	21,9	0,0	52,5	26,8	0,0	51,3	35,2	0,0	58,8	29,8	0,0	55	41,3	36,3	46,3	81,3	62,5	92,5
n	7			6			7			7			5			2			5		
LAMPU	8,0	5,3	11,0	20,8	17,5	25,0	37,5	20,0	52,5	42,5	23,8	55,0	35,0	20,0	56,3	63,2	52,5	73,8	80,8	78,8	82,3
n	5			3			5			3			3			2			5		
MATCH	6,7	6,3	7,0	35,6	30,0	41,3	46,3	40,0	52,5	50,7	43,8	57,5		-		56,9	51,3	62,5	91,3	83,8	98,8
n	2			2			2			2			-			2			2		
MATIN	8,8	5,0	29	37,9	0,0	81,0	51,6	20,0	87,5	66,3	40,0	95,0	57,3	5,0	85,0	71,5	71,5	71,5	84,9	62,5	96,3
n	12			10			11			11			11			1			8		
PAPRH	6,3	5,0	8,0	50,0	40,0	66,3	60,9	52,5	73,8	75,3	57,5	89,5	68,1	65,0	71,3	61,3	61,3	61,3	84,4	82,5	86,3
n	3			3			3			3			2			1			2		

POAAN	12,6	5,0	22,0	83,9	70,0	91,3	87,4	72,5	93,8	91,3	77,5	100,0	91,3	72,5	100,0		-			-	
n	4			4			4			4			4				-			-	
STEME	5,5	5,0	6,0	58,3	0,0	83,8	57,5	0,0	90,0	77,2	52,5	92,5	65,8	38,8	87,5		-		95,0	92,5	97,5
n	5			4			5			4			5				-		3 2		
THLAR	7,4	6,8	8,0	75,0	75,0	75,0	65,7	50,0	81,3	84,2	78,8	89,5	40,0	40,0	40,0	90,8	90,8	90,8	100,0	100,0	100,0
n	2			1			2			2			1			1			1		
VIOAR	14,0	6,0	45,0	46,1	17,5	85,0	47,6	7,5	88,8	56,7	32,5	95,0	51,5	10,0	88,8	55,4	47,5	63,8	82,1 79	57,5	90,0
n	15			11			14			13			11			4			8		
VERPE	7,6	5,5	9,8	37	20,0	90,0	35,6	0,0	91,3	49,8	30,0	90,0	46,9	10,0	85,0	35,7	32,5	38,8	73,4	41,3	92,5
n	6			5			6			5			4			2			3		
weed-species	UNCK PLA/m2			ADM.06001.H.2.B 0,5 l/ha			ADM.06001.H.2.B 0,75 l/ha			ADM.06001.H.2.B 1,0 l/ha			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha		
	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
ALOMY	25,2	12,0	37,5	68,1	61,3	72,5	78,0	52,5	87,5	89,2	78,3	93,8	87,2	81,5	90,0	94,3	90,8	100,0	87,9	80,0	92,0
n	7			4			7			6			3			5			4		
APESV	17,1	8,0	26,0	86,0	80,0	87,5	91,0	80,3	97,5	96,3	93,8	98,8	94,2	81,5	100,0	100,0	100,0	100,0	87,5	80,0	96,3
n	10			8			10			8			9			1			5		
AVEFA	11,3	7,0	18,0	75,9	60,0	86,3	88,4	83,8	93,8	92,9	90,0	97,5	91,7	78,8	98,8		-		77,5	60,0	90,0
n	3			3			3			3			3						3		
BRSNW	6,7	5,0	9,3	64,4	0,0	87,8	71,9	2,5	97,5	80,2	35,0	98,3	67,8	32,5	91,0	98,6	98,3	98,8	98,4	93,8	100,0
n	6			6			6			6			4			2			4		
CAPBP	12,8	7,0	25,0	40,0	0,0	90,0	41,9	0,0	95,0	59,1	32,5	97,5	57,8	35,0	90,0		-		97,5	97,5	97,5
n	4			4			4			4			4						2		
CENCY	8,7	6,0	13,0	39,4	27,5	51,3	45,8	30,0	57,5	40,8	30,0	60,0	47,9	32,5	58,8	56,0	56,0	56,0	86,9	85,0	88,8
n	4			2			3			3			3			1			2		
GALAP	6,9	5,3	8,8	20,5	0,0	52,5	23,3	0,0	51,3	31,3	0,0	58,8	23,4	0,0	53,8	41,3	36,3	46,3	85,9	81,3	92,5
n	6			5			6			6			4			2			4		
LAMPU	8,0	5,3	11,0	20,8	17,5	25,0	37,5	20,0	52,5	42,5	23,8	55,0	35,0	20,0	56,3	63,2	52,5	73,8	80,8	78,8	82,3

n	5			3			5			3			3			2			5		
MATCH	6,7	6,3	7,0	35,6	30,0	41,3	46,3	40,0	52,5	50,7	43,8	57,5		-		56,9	51,3	62,5	91,3	83,8	98,8
n	2			2			2			2				-		2			2		
MATIN	7,0	5,0	9,0	37,6	0,0	81,0	52,7	20,0	87,5	68,5	40,0	95,0	57,8	5,0	85,0	71,5	71,5	71,5	92,1	87,5	96,3
n	10			8			9			9			9			1			6		
PAPRH	6,3	5,0	8,0	50,0	40,0	66,3	60,9	52,5	73,8	75,3	57,5	89,5	68,1	65,0	71,3	61,3	61,3	61,3	84,4	82,5	86,3
n	3			3			3			3			2			1			2		
POAAN	12,6	5,0	22,0	83,9	70,0	91,3	87,4	72,5	93,8	91,3	77,5	100,0	91,3	72,5	100,0		-			-	
n	4			4			4			4			4				-			-	
STEME	5,5	5,0	6,0	58,3	0,0	83,8	57,5	0,0	90,0	77,2	52,5	92,5	65,8	38,8	87,5		-		95,0	92,5	97,5
n	5			4			5			4			5				-		3		
THLAR	7,4	6,8	8,0	75,0	75,0	75,0	65,7	50,0	81,3	84,2	78,8	89,5	40,0	40,0	40,0	90,8	90,8	90,8	100,0	100,0	100,0
n	2			1			2			2			1			1			1		
VIOAR	13,2	6,0	45,0	47,4	17,5	85,0	47,8	7,5	88,8	57,3	32,5	95,0	51,9	10,0	88,8	55,4	47,5	63,8	82,1	76,3	90,0
n	14			10			13			12			10			4			7		
VERPE	7,5	5,5	9,8	40,0	20,0	90,0	35,8	0,0	91,3	49,4	30,0	90,0	47,5	10,0	85,0	35,7	32,5	38,8	84,0	76,3	92,5
n	5			4			5			4			3			2			3		

Summary and conclusions on the minimum effective dose

At assessment 21-29 DAA , at crop stage BBCH 33-51 , dose response is clear visible in all weed species. According to the presented results, the target dose rate for tank mixtures: ADM.06001.H.2.B + Insert (0,5-1,0 l/ha + 0,2 l/ha) and ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) should be considered as effective against a selected range of broad leaf weeds present on trial locations.

3.2.3 Efficacy tests (KCP 6.2)

In total 20 22 efficacy trials carried between 2018-2020 2021 in winter wheat have generated valid data on the efficacy of ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE. Out of all efficacy trials conducted , tank mixture of ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) was tested in 10 12 efficacy trials (2020) , tank mixture of ADM.06001.H.2.B + Insert (0,5l/ha +0,2 l/a) was tested in 17 19 trials, ADM.06001.H.2.B + Insert (1,0 l/ha of ADM.06001.H.2.B) was tested in 5 trials between 2018-2021.

Results are presented by evaluation according to EPPO guideline PP 1/93(3):

A1- up to 2 weeks after the treatment (7-16 DAA, BBCH 31-37)

A2- 3-4 weeks after the treatment (21-29 DAA, BBCH 33-51)

A3 – optional shortly before the harvest (38-77 DAA, BBCH 51-73)

Reference products:

Atlantis 12 OD + Biopower applied at range of registered dose rates :0,6 l/ha-1,2 l/ha

Atlantis Star + Biopower applied at higher registered dose rate: 0,33kg/ha+1,0l/ha

Table 3.2-7: Details on trial methodology

Guidelines	General guidelines	PP 1/135(4);PP 1/152(4);PP 1/181(4);PP 1/225(2)
	Specific guidelines	PP 1/93(3)
Experimental design	Plot design	RCB
	Plot size	15-25 24 m ²
	Number of replications	4
Crop	Trials per crop	Winter wheat (TRZAW) – 16 22
	Varieties per crop	Arkadia (2), Patras (4), Rotax, Julius (2), Hondia, Sailor (2), Sikorka (2), Tonacja (2), Lindberg, Kepler, Joker, Bogatka, Ostroga, Skagen
	Sowing period	04/10/2019 24/09/2019 04/10/2019 08/10/2019 25/09/2019 08/10/2019 05/10/2019 30/09/2019 28/09/2019 25/09/2019 28/09/2019 18/09/2019 25/09/2019 30/09/2019 25/09/2019 17/10/2019 15/10/2017 10/10/2017 09/10/2017 09/10/2020 10/10/2020 06/10/2020

Application	Crop stage (BBCH)* at application	BBCH 22- 33 37
	Timing Pest stage at application (1)	Post emergence ALOMY (11-31), APESV(10-33), AVEFA(14 -30), BRSNW (12-35) CAPBP(14-61), CENCY(10-39), GALAP(11-36), GERPU (13-16), LAMAM(12-30), LAMPU(12-63), MATCH (10-33), MATIN (11-33), MELAL(16-30), MYOAR(25-30, PAPRH(11-30), POAAN(14-59), POLCO (10-11), STEME(11-34), THLAR(14-30), VERPE(13-63), VERHE (35), VIOAR(11-63)
	Number of applications Intervals between applications	1 n.a
	Spray volumes	150-250 300 L/ha
Assessment	Assessment types	% of weed coverage, number of weeds/m ² , Visual % weed control
	Assessment dates	DAA 36-77; DAA 7-16; DAA 21-29
Other relevant information	Soil type	loamy sand, sandy clay, silt loam, fine gravelly loam, sandy loam, sand, loam
	e.g. Natural / artificial inoculation...	N
	e.g. Field / Greenhouse...	F

* BBCH for weeds, pre-emergence, preventive / curative application, insect stage...

ADM.06001.H.2.B applied with adjuvant Insert(Insert)

In Total ~~20~~ 22 efficacy trials carried between 2018-~~2020~~ 2021 in winter wheat have generated valid data on the efficacy of ADM.06001.H.2.B applied in tank mixture with adjuvant Insert. Out of all efficacy trials conducted tank mixture of ADM.06001.H.2.B + Insert (0,5l/ha +0,2 l/a) was tested in ~~17~~ 19 trials, ADM.06001.H.2.B + Insert (1,0 l/ha of ADM.06001.H.2.B) was tested in 5 trials between 2018-2021.

Results presented in tables 3.20-12a-b shows the increasing efficacy level since first assessment to the last one (optional) in comparison to reference products used in trials, also table 3.2-9 presented in chapter “Minimum effective dose “ shows increase of efficacy level, compared to product ADM.06001.H.2.B applied at minimum/maximum dose rate .

External adjuvants are assumed to optimize foliar absorption of the herbicide, resulting in an increased post-emergence efficacy, therefore it can be concluded that addition of adjuvant Insert to product ADM.06001.H.2.B. increase its efficacy in control of key weeds , both mono and dicotyledonous.

Results presented in Tables3.2-12a-b shows clearly the impact of the addition of an adjuvant on the efficacy

Table 3.2-12a: Efficacy of ADM.06001.H.2.B applied with adjuvant Insert at proposed label rates: 0,5 – 1,0 l/ha +0,2 l/ha, compared to reference, at assessment BBCH 31-37; DAA 7-16

Weed species	UNCK PLA/m2			ADM.06001.H.2. B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2. B + Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	me- an	min	max	mean	min	max	mean	min	max	me- an	min	max	me- an	min	max	me- an	min	max
ALOMY	24,5	12,0	37,5	43,8	43,8	43,8	72,1	57,5	82,5	66,0	48,8	80,0		-		68,0	55,0	81,3
n	6			1			5			4						4		
APESV	19,2	8,0	46	62,3	36,3	91,3	73,8	73,8	73,8	60,0	60,0	60,0	60,3	50,0	76,3	61,3	61,3	61,3
n	11			10			1			1			8			1		
AVEFA	14,3	7,0	22	57,2	43,8	72,5		-			-		57,2	50,0	73,8		-	
n	4			4									4					
BRSNW	6,7	5,0	9,3	58,8	32,5	80,0	76,8	66,3	87,3	79,2	63,8	94,5	69,1	57,5	78,8	83,9	71,3	96,5
n	6			4			2			2			4			2		
CAPBP	14,0	7,0	23,0	50,0	22,5	77,5		-			-		60,5	30,0	80,0		-	
n	5			5									5					
CENCY	13,9	6,0	37,5	38,1	20,0	58,8	58,3	58,3	58,3		-		45,4	27,5	63,8		-	
n	5			4			1						3					
GALAP	7,1	5,3	8,8	23,8	0,0	47,5	32,5	26,3	38,8	35,0	23,8	46,3	40	10,0	48,8	47,5	26,3	68,8
n	7			5			2			2			4			2		
LAMPU	7,8	5,3	11,0	38,8	18,8	55	58,2	47,5	68,8	76,9	62,5	91,3	23,8	23,8	23,8	81,2	65,0	97,3
n	5			3			2			2			1			2		
MATCH	6,2	6,0	6,3		-		54,4	45,0	63,8	77,9	60,0	95,8		-		73,5	62,5	84,5
n	2						2			2						2		
MATIN	8,7	5,0	29,0	45,6	0,0	70,0	61,5	61,5	61,5				53,8	27,5	77,5		-	
n	12			11			1						10					
PAPRH	6,0	5,0	7,0	58,1	51,3	65,0	61,3	61,3	61,3	58,8	58,8	58,8	41,9	41,3	42,5	63,8	63,8	63,8
n	3			2			1			1			2			1		
POAAN	12,9	5,0	23,0	64,1	60,0	71,3		-			-		67,2	58,8	75,0		-	
n	4			4									4					
STEME	5,9	5,0	8,0	46,8	17,5	80,0		-			-		62,5	37,5	82,5		-	
n	5			5									4					
THLAR	7,4	6,8	8,0	40,0	40,0	40,0	51,3	51,3	51,3	89,5	89,5	89,5		-		78,8	78,8	78,8
n	2			1			1			1						1		
VIOAR	14,8	6,0	55,0	43,4	20,0	78,8	52,7	46,3	61,3	71,2	53,8	83,5	57,4	36,3	80,0	75,3	53,8	94,5
n	15			11			4			3			8			3		
VERPE	7,4	5,5	9,8	30,0	0,0	57,5	31,9	31,3	32,5	70,4	60,0	80,8	54,6	47,5	65,0	76,0	67,5	84,5
n	6			4			2			2			3			2		

weed-species	UNCK PLA/m2			ADM.06001.H.2. B+Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2. B+Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12-OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12-OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	me- an	min	max	mean	min	max	mean	min	max	me- an	min	max	me- an	min	max	me- an	min	max
ALOMY	24,5	12,0	37,5	43,8	43,8	43,8	72,1	52,5	80,0	66,0	48,8	80,0		-		68,0	0	81,3
n	6			1			5			4				-		4		
APESV	16,8	8,0	25,0	63,1	36,3	91,3	73,8	73,8	73,8	60,0	60,0	60,0	61,5	50,0	76,3	61,3	61,3	61,3
n	9			9			1			1			7			1		
AVEFA	11,7	7,0	19,0	63,8	55,0	72,5		-			-		61,9	50,0	73,8		-	
n	3			3			-			-			3			-		
BRSNW	6,7	5,0	9,3	58,8	32,5	80,0	76,8	66,3	87,3	79,2	63,8	94,5	69,1	57,5	78,8	83,9	71,3	96,5
n	6			4			2			2			4			2		
CAPBP	12,3	7,0	23,0	49,1	22,5	77,5		-			-		61,3	30,0	80,0		-	
n	4			4			-			-			4			-		
CENCY	8,0	6,0	10,0	43,4	20,0	58,8	58,3	58,3	58,3		-		46,3	27,5	65,0		-	
n	4			3			1			-			2			-		
GALAP	7,1	5,3	8,8	18,4	0,0	47,5	32,5	26,3	38,8	35,0	23,8	46,3	32,1	10,0	48,8	47,5	26,3	68,8
n	6			4			2			2			3			2		
LAMPU	7,8	5,3	11,0	30,7	18,8	42,5	58,2	47,5	68,8	76,9	62,5	91,3	23,8	23,8	23,8	81,2	65,0	97,3
n	5			2			2			2			1			2		
MATCH	6,0	5,8	6,3		-		54,4	45,0	63,8	77,9	60,0	95,8		-		73,5	62,5	84,5
n	2			-			2			2			-			2		
MATIN	7,1	5,0	11,0	45,6	0,0	70,0	61,5	61,5	61,5				53,6	27,5	77,5		-	
n	10			9			1						8			-		
PAPRH	6,2	5,0	7,5	58,1	51,3	65,0	61,3	61,3	61,3	58,8	58,8	58,8	41,9	41,3	42,5	63,8	63,8	63,8
n	3			2			1			1			2			1		
POAAN	12,9	5,0	23,0	64,1	60,0	71,3		-			-		67,2	58,8	75,0		-	
n	4			4			-			-			4			-		
STEME	5,9	5,0	8,0	46,8	17,5	80,0		-			-		62,5	37,5	82,5		-	
n	5			5			-			-			4			-		
THLAR	7,4	6,8	8,0	40,0	40,0	40,0	51,3	51,3	51,3	89,5	89,5	89,5		-		78,8	78,8	78,8
n	2			1			1			1				-		1		
VIOAR	13,8	6,0	55,0	44,5	20,0	78,8	52,7	46,3	61,3	71,2	53,8	83,5	58,1	36,3	80,0	75,3	53,8	94,5
n	14			10			4			3			7			3		
VERPE	7,3	5,5	9,8	28,3	0,0	57,5	31,9	31,3	32,5	70,4	60,0	80,8	56,3	47,5	65,0	76,0	67,5	84,5
n	5			3			2			2			2			2		

Table 3.2-12b: Efficacy of ADM.06001.H.2.B applied with adjuvant Insert at proposed label rate: 0,5-1,0 l/ha +0,2 l/ha, compared to reference, at assessment BBCH 33-51; DAA 21-29

Weed species	UNCK PLA/m2			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max
ALO-MY	30,4	12,0	51	87,2	81,5	90,0	94,3	90,8	100,0	90,6	88,3	93,8		-		89,6	82,5	96,3
n	8			3			5			4				-		4		
APESV	19,7	8,0	46	91	62,5	100,0	100,0	100,0	100,0	92,5	92,5	92,5	88,5	68,8	95,0	83,8	83,8	83,8
n	11			10			1			1			8			1		
AVEFA	13	7,0	18,0	89,1	78,8	98,8		-			-		86,3	80,0	90		-	
n	4			4			-			-			4			-		
BRSNW	6,7	5,0	9,3	67,8	32,5	91,0	98,6	98,3	98,8	99,4	98,8	100,0	82,2	57,5	96,3	100,0	100,0	100,0
n	6			4			2			2			4			2		
CAPBP	14,4	7,0	25,0	59,3	35,0	90,0		-			-		71,8	57,5	97,5		-	
n	5			5			-			-			5			-		
CENCY	14,6	6,0	38	46,0	32,5	58,8	56,0	56,0	56,0		-		50,8	30,0	72,5		-	
n	5			4			1			-			3			-		
GALAP	7,1	5,3	8,8	29,8	0,0	55	41,3	36,3	46,3	42,5	13,8	71,3	45,6	12,5	76,3	53,9	18,8	89,0
n	7			5			2			2			4			2		
LAMPU	8,0	5,3	11,0	35,0	20,0	56,3	63,2	52,5	73,8	99,2	98,3	100,0	27,5	27,5	27,5	99,8	99,5	100,0
n	5			3			2			2			1			2		
MA-TCH	6,7	6,3	7,0		-		56,9	51,3	62,5	78,5	61,3	95,8		-		80,4	62,5	98,3
n	2			-			2			2				-		2		
MATIN	8,8	5,0	29	57,3	5,0	85,0	71,5	71,5	71,5		-		71,5	50,0	88,8		-	
n	12			11			1			-			10			-		
PAPRH	6,3	5,0	8,0	68,1	65,0	71,3	61,3	61,3	61,3	67,5	67,5	67,5	60,0	57,5	62,5	66,3	66,3	66,3
n	3			2			1			1			2			1		
POAAN	12,6	5,0	22,0	91,3	72,5	100,0		-			-		88,7	81,3	91,3		-	
n	4			4			-			-			4			-		
STEME	5,5	5,0	6,0	65,8	38,8	87,5		-			-		83,5	77,5	93,8		-	
n	5			5			-			-			4			-		
THLAR	7,4	6,8	8,0	40,0	40,0	40,0	90,8	90,8	90,8	100,0	100,0	100,0				100,0	100,0	100,0
n	2			1			1			1						1		
VIOAR	14,0	6,0	45,0	51,5	10,0	88,8	55,4	47,5	63,8	78,9	62,5	88,0	68,9	40,0	95,0	84,3	62,5	95,8
n	15			11			4			3			8			3		
VERPE	7,6	5,5	9,8	46,9	10,0	85,0	35,7	32,5	38,8	82,4	82,0	82,8	64,6	47,5	88,8	89,5	89,5	89,5
n	6			4			2			2			3			2		

weed species	UNCK PLA/m2			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max
ALO-	25,2	12,	37,5	87,2	81,	90,0	94,3	90,8	100,	90,6	90,6	93,8		-		89,6	82,5	96,3

MY		0			5				0								
n	7			3			5			4				-		4	
APESV	17,1	8,0	26,0	94,2	81,5	100,0	100,0	100,0	100,0	92,5	92,5	92,5	91,4	86,3	95,0	83,8	83,8
n	10			9			1			1			7			1	
AVEFA	11,3	7,0	18,0	91,7	78,8	98,8		-			-		85,0	80,0	88,8		-
n	3			3			-			-			3			-	
BRSNW	6,7	5,0	9,3	67,8	32,5	91,0	98,6	98,3	98,8	99,4	98,8	100,0	82,2	57,5	96,3	100,0	100,0
n	6			4			2			2			4			2	
CAPBP	12,8	7,0	25,0	57,8	35,0	90,0		-			-		74,4	57,5	97,5		-
n	4			4			-			-			4			-	
CENCY	8,7	6,0	13,0	47,9	32,5	58,8	56,0	56,0	56,0		-		51,3	30,0	72,5		-
n	4			3			1			-			2			-	
GALAP	6,9	5,3	8,8	23,4	0,0	53,8	41,3	36,3	46,3	42,5	13,8	71,3	35,4	12,5	48,8	53,9	18,8
n	6			4			2			2			3			2	
LAMPU	8,0	5,3	11,0	35,0	20,0	56,3	63,2	52,5	73,8	99,2	98,3	100,0	27,5	27,5	27,5	99,8	99,5
n	5			3			2			2			1			2	
MA-TCH	6,7	6,3	7,0		-		56,9	51,3	62,5	78,5	61,3	95,8		-		80,4	62,5
n	2			-			2			2			-			2	
MATIN	7,0	5,0	9,0	57,8	5,0	85,0	71,5	71,5	71,5		-		73,1	50,0	88,8		-
n	10			9			1			-			8			-	
PAPRH	6,3	5,0	8,0	68,1	65,0	71,3	61,3	61,3	61,3	67,5	67,5	67,5	60,0	57,5	62,5	66,3	66,3
n	3			2			1			1			2			1	
POAAN	12,6	5,0	22,0	91,3	72,5	100,0		-			-		88,7	81,3	91,3		-
n	4			4			-			-			4			-	
STEME	5,5	5,0	6,0	65,8	38,8	87,5		-			-		83,5	77,5	93,8		-
n	5			5			-			-			4			-	
THLAR	7,4	6,8	8,0	40,0	40,0	40,0	90,8	90,8	90,8	100,0	100,0	100,0				100,0	100,0
n	2			1			1			1						1	
VIOAR	13,2	6,0	45,0	51,9	10,0	88,8	55,4	47,5	63,8	78,9	62,5	88,0	70,5	40,0	95,0	84,3	62,5
n	14			10			4			3			7			3	
VERPE	7,5	5,5	9,8	47,5	10,0	85,0	35,7	32,5	38,8	82,4	82,0	82,8	68,2	47,5	88,8	89,5	89,5
n	5			3			2			2			2			2	

Table 3.2-12c: Efficacy of ADM.06001.H.2.B applied with adjuvant Insert at proposed label rate: 0,5-1,0 l/ha +0,2 l/ha, compared to reference, at assessment BBCH 51-69; DAA 36-77

Weed species	UNCK PLA/m2			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max
ALO-MY	30,4	12,0	51	92,0	83,5	96,3	96,8	95,3	100,0	89,3	87,5	91,3		-		89,3	83,8	93,8
n	8			3			5			4				-		4		
APESV	22,4	8,0	50	97	87,5	100,0	100,0	100,0	100,0	93,8	93,8	93,8	85,7	73,8	93,8	83,8	83,8	83,8
n	11			10			1			1			8			1		
AVEFA	15	8,0	22	98,8	95	100,0		-			-		95,1	81,3	100,0		-	
n	4			4			-			-			4			-		
BRSNW	6,7	5,0	9,3	68,1	32,5	91,0	98,6	98,3	98,8	99,4	98,8	100,0	82,8	60,0	96,3	100,0	100,0	100,0
n	6			4			2			2			4			2		
CAPBP	14,2	7,0	25,0	72,8	35,0	100		-			-		81	60,0	100,0		-	
n	5			5			-			-			5			-		
CENCY	15,1	6,0	15,0	46,6	31,3	60,0	43,8	43,8	43,8		-		57,5	40,0	72,5		-	
n	5			4			1			-			3			-		
GALAP	7,2	5,3	8,8	31,0	0,0	60	43,2	40	46,3	44,4	17,5	71,3	50	12,5	93,8	55,8	22,5	89,0
n	7			5			2			2			3			2		
LAM-PU	8,4	5,3	11,0	41,3	20,0	60,0	63,2	52,5	73,8	99,2	98,3	100,0	42,5	42,5	42,5	99,8	99,5	100,0
n	5			3			2			2			1			2		
MA-TCH	6,7	6,3	7,0		-		59,4	51,3	67,5	81,0	66,3	95,8		-		82,9	67,5	98,3
n	2			-			2			2			-			2		
MATIN	8,8	5,0	30	62,7	12,5	96,3	74,0	74,0	74,0		-		79,1	60,0	100		-	
n	12			11			1			-			10			-		
PAPRH	6,7	5,0	9,0	68,1	65,0	71,3	71,3	71,3	71,3	77,5	77,5	77,5	60	57,5	62,5	76,3	76,3	76,3
n	3			2			1			1			2			1		
POAAN	17,6	5,0	32,0	92,8	77,5	100,0		-			-		92,8	85,0	100,0		-	
n	4			4			-			-			4			-		
STEME	5,5	5,0	6,0	72,1	52,8	92,5		-			-		85,0	77,5	97,5		-	
n	5			5			-			-			4			-		
THLAR	7,4	6,8	8,0	40	40	40	90,8	90,8	90,8	100,0	100,0	100,0		-		100,0	100,0	100,0
n	2			1			1			1			-			1		
VIOAR	14,3	6,0	44,0	52,1	0,0	96,3	46,9	17,5	67,5	80,6	67,5	88,0	71,6	50,0	100,0	85,5	66,3	95,8
n	15			11			4			3			8			3		
VERPE	7,4	5,5	9,8	49,1	10,0	83,8	35,7	32,5	38,8	82,4	82,0	82,8	70,8	47,5	97,5	89,5	89,5	89,5
n	6			4			2			2			3			2		

weed species	UNCK PLA/m2			ADM.06001.H.2.B + Insert 0,5 l/ha + 0,2 l/ha			ADM.06001.H.2.B + Insert 1,0 l/ha + 0,2 l/ha			Atlantis 12-OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12-OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star+ Biopower 0,33kg/ha+1,0l/ha		
	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max	me-an	min	max
ALO-MY	25,2	12,0	37,5	92,0	83,5	96,3	96,8	95,3	100,0	89,3	87,5	92,5		-		88,7	83,8	93,8
n	6			3			5			4				-		4		
APESV	19,7	8,0	38,0	96,8	87,5	100,0	100,0	100,0	100,0	93,8	100,0	100,0	88,5	73,8	100,0	83,8	100,0	100,0
n	10			9			1			1			7			1		
AVEFA	12,7	8,0	21,0	100,0	100,0	100,0		-			-		93,8	81,3	100,0		-	
n	3			3				-			-		3				-	
BRSNW	6,7	5,0	9,3	68,1	32,5	91,0	98,6	98,3	98,8	99,4	98,8	100,0	82,8	60,0	96,3	100,0	100,0	100,0
n	6			4			2			2			4			2		
CAPBP	12,8	7,0	25,0	65,9	35,0	97,5		-			-		86,0	60,0	100,0		-	
n	4			4				-			-		4				-	
CENCY	9,3	6,0	15,0	51,7	42,5	60,0	43,8	43,8	43,8		-		56,3	40,0	72,5		-	
n	4			3			1				-		2				-	
GALAP	7,1	5,3	8,8	23,8	0,0	55,0	46,3	46,3	46,3	44,4	17,5	71,3	30,6	12,5	48,8	55,8	22,5	89,0
n	6			4			2			2			2			3		
LAMPUPU	8,4	5,3	11,0	41,3	20,0	60,0	63,2	52,5	73,8	99,2	98,3	100,0	42,5	42,5	42,5	99,8	99,5	100,0
n	5			3			2			2			1			2		
MA-TCH	6,7	6,3	7,0		-		59,4	51,3	67,5	81,0	66,3	95,8		-		82,9	67,5	98,3
n	2				-		2			2				-		2		
MATIN	7,1	5,0	10,0	58,2	12,5	85,0	74,0	74,0	74,0		-		75,2	60,0	88,8		-	
n	10			9			1				-		8				-	
PAPRH	6,7	5,0	9,0	68,1	65,0	71,3	71,3	71,3	71,3	77,5	77,5	77,5	62,5	62,5	62,5	76,3	76,3	76,3
n	3			2			1			1			1			1		
POAAN	17,6	5,0	32,0	92,8	77,5	100,0		-			-		92,8	85,0	100,0		-	
n	4			4				-			-		4				-	
STEME	5,5	5,0	6,0	72,1	52,8	92,5		-			-		85,0	77,5	97,5		-	
n	5			5				-			-		4				-	
THLAR	7,4	6,8	8,0		-		90,8	90,8	90,8	100,0	100,0	100,0		-		100,0	100,0	100,0
n	2				-		1			1				-		1		
VIOAR	13,4	6,0	44,0	50,9	0,0	96,3	46,9	17,5	67,5	80,6	67,5	88,0	72,5	50,0	100,0	85,5	66,3	95,8
n	14			10			4			3			7			3		
VERPE	7,3	5,5	9,8	47,1	10,0	83,8	35,7	32,5	38,8	82,4	82,0	82,8	72,5	47,5	97,5	89,5	89,5	89,5
n	5			3			2			2			2			2		

ADM.06001.H.2.B applied with product Camaro 306 SE

In Total 20 22 efficacy trials carried between 2018-2020 2021 in winter wheat have generated valid data on the efficacy of ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE. Out of all efficacy trials conducted, tank mixture of ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) was tested in 10-12 efficacy trials (2020).

Camaro 306 SE contains 2 active substances known from its herbicidal activity in controlling dicotyledonous weed plants cereals, addition of Camaro 306 SE to product ADM.06001.H.2.B significantly increase ability to control both mono and dicotyledonous weed plants in winter cereals.

Results presented in Tables 3.2-14a-c shows increasing level of efficacy of tank mixture ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) in comparison to reference products, as well as results presented in table 3.2-9 , in chapter “Minimum Effective Dose” shows efficacy compared to product ADM.06001.H.2.B applied at minimum/maximum dose rate .

Table 3.2-14a: Efficacy of ADM.06001.H.2.B applied with Camaro 306 SE at proposed label rate: 0,5 l/ha + 0,5 l/ha, at assessment BBCH 31-37; DAA 7-16

Weed species	UNCK PLA/m2			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
ALOMY	24,5	12,0	37,5	64,7	52,5	82,5	66,0	48,8	80,0		-		68,0	55,0	81,3
n	4			4			4			-			4		
APESV	20,7	8,0	46	52,7	38,8	65,0	60,0	60,0	60,0	57	50,0	68,8	61,3	61,3	61,3
n	6			6			1			5			1		
AVEFA	14,3	7,0	22	55,3	40	71,3		-		57,2	50,0	73,8		-	
n	4			4			-			4			-		
BRSNW	6,7	5,0	9,3	80,2	71,3	90,8	79,2	63,8	94,5	65	57,5	72,5	83,9	71,3	96,5
n	4			4			2			2			2		
CAPBP	13,3	7,0	21	73,4	57,5	81,3		-		48,3	30,0	57,5		-	
n	3			3			-			3			-		
CENCY	17,8	6,0	10,0	62,1	53,8	72,5		-		45,4	27,5	65,0		-	
n	3			3			-			3			-		
GALAP	6,9	5,3	8	67,4	55	88,3	35,0	23,8	46,3	40,9	10,0	63,8	47,5	26,3	68,8
n	5			5			2			3			2		
LAMPU	7,8	5,5	11,0	57,9	32,5	76,3	76,9	62,5	91,3	23,8	23,8	23,8	81,2	65,0	97,3
n	3			3			2			1			2		
MATCH	6,2	6,0	6,3	77,5	61,3	93,8	77,9	60,0	95,8		-		73,5	62,5	84,5
n	2			2			2			-			2		
MATIN	9,6	5,0	29	65,6	43,8	76,3		-		53,8	27,5	68,8		-	
n	8			8			-			8			-		
PAPRH	6,0	5,0	7	65,0	63,8	66,3	58,8	58,8	58,8	42,5	42,5	42,5	63,8	63,8	63,8
n	2			2			1			1			1		
STEME	5,5	5,0	6	78,2	75,0	81,3		-		50,6	37,5	63,75		-	
n	5 2			2			-			4 2			-		
THLAR	6,8	6,8	6,8	78,8	78,8	78,8	89,5	89,5	89,5		-		78,8	78,8	78,8
n	1			1			1			-			1		
VIOAR	16,7	6,0	55,0	59,9	37,5	70,0	71,2	53,8	83,5	50,3	36,3	65	75,3	53,8	94,5
n	8			8			3			5			3		
VERPE	8,2	7,0	9,8	58,8	35,0	68,8	70,4	60,0	80,8	58,2	51,3	65,0	76,0	67,5	84,5

n	4	4	2	2	2
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weed-species	UNCK PLA/m2			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
ALOMY	24,5	12,0	37,5	64,7	52,5	82,5	66,0	48,8	80,0		-		68,0	55,0	81,3
n	6			4			4				-		4		
APESV	16,8	8,0	25,0	52,5	38,8	65,0	60,0	60,0	60,0	61,5	50,0	76,3	61,3	61,3	61,3
n	9			5			1			7			1		
AVEFA	11,7	7,0	19,0	60,6	50,0	71,3		-		61,9	50,0	73,8		-	
n	3			3				-		3				-	
BRSNW	6,7	5,0	9,3	80,2	71,3	90,8	79,2	63,8	94,5	69,1	57,5	78,8	83,9	71,3	96,5
n	6			4			2			4			2		
CAPBP	12,3	7,0	23,0	81,3	81,3	81,3		-		61,3	30,0	80,0		-	
n	4			2				-		4				-	
CENCY	8,0	6,0	10,0	66,3	60,0	72,5		-		46,3	27,5	65,0		-	
n	4			2				-		2				-	
GALAP	7,1	5,3	8,8	70,5	57,5	88,3	35,0	23,8	46,3	32,1	10,0	48,8	47,5	26,3	68,8
n	6			4			2			3			2		
LAMPU	7,8	5,3	11,0	57,9	32,5	76,3	76,9	62,5	91,3	23,8	23,8	23,8	81,2	65,0	97,3
n	5			3			2			1			2		
MATCH	6,0	5,8	6,3	77,5	61,3	93,8	77,9	60,0	95,8		-		73,5	62,5	84,5
n	2			2			2				-		2		
MATIN	7,1	5,0	11,0	71,1	48,8	76,3		-		53,6	27,5	77,5		-	
n	10			6				-		8				-	
PAPRH	6,2	5,0	7,5	65,0	63,8	66,3	58,8	58,8	58,8	41,9	41,3	42,5	63,8	63,8	63,8
n	3			2			1			2			1		
POAAN	12,9	5,0	23,0		-			-		67,2	58,8	75,0		-	
n	4				-			-		4				-	
STEME	5,9	5,0	8,0	78,2	75,0	81,3		-		62,5	37,5	82,5		-	
n	5			2				-		4				-	
THLAR	7,4	6,8	8,0	78,8	78,8	78,8	89,5	89,5	89,5		-		78,8	78,8	78,8
n	2			1			1				-		1		
VIOAR	13,8	6,0	55,0	60,9	37,5	70,0	71,2	53,8	83,5	58,1	36,3	80,0	75,3	53,8	94,5
n	14			7			3			7			3		
VERPE	7,3	5,5	9,8	66,7	63,8	68,8	70,4	60,0	80,8	56,3	47,5	65,0	76,0	67,5	84,5
n	5			3			2			2			2		

Table 3.2-14b: Efficacy of ADM.06001.H.2.B applied with Camaro 306 SE at proposed label rate: 0,5 l/ha + 0,5 l/ha, at assessment BBCH 33-51; DAA 21-29

Weed species	UNCK PLA/m2			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	mean	min	max	mean	min	mean	min	max	mean	min
ALOMY	25,5	12,0	37,5	87,9	80,0	92,0	90,6	88,3	93,8		-		89,6	82,5	96,3
n	4			4			4				-		4		
APESV	21,5	8,0	46	84,0	63,8	96,3	92,5	92,5	92,5	85,3	68,8	91,3	83,8	83,8	83,8
n	6			6			1			5			1		
AVEFA	13,0	7,0	18,0	74,1	60,0	90,0		-		86,3	80,0	90		-	
n	4			4				-		4				-	
BRSNW	6,7	5,0	9,3	98,4	93,8	100,0	99,4	98,8	100,0	74,4	57,5	91,3	100,0	100,0	100,0
n	4			4			2			2			2		
CAPBP	23,3	7,0	21	86,3	63,8	97,5		-		59,2	57,5	61,3		-	
n	3			3				-		3				-	
CENCY	19,0	6,0	38	78,4	61,3	88,8		-		50,8	30,0	72,5		-	
n	3			3				-		3				-	
GALAP	6,9	5,3	8	81,3	62,5	92,5	42,5	13,8	71,3	45,9	12,5	48,8	53,9	18,8	89,0
n	5			5			2			3			2		
LAMPU	8,2	5,5	11,0	80,8	78,8	82,3	99,2	98,3	100,0	27,5	27,5	27,5	99,8	99,5	100,0
n	3			3			2			1			2		
MATCH	6,7	6,3	7,0	91,3	83,8	98,8	78,5	61,3	95,8		-		80,4	62,5	98,3
n	2			2			2				-		2		
MATIN	9,6	5,0	29	84,9	62,5	96,3		-		71,1	50,0	88,8		-	
n	8			8				-		8				-	
PAPRH	6,5	5,0	8,0	84,4	82,5	86,3	67,5	67,5	67,5	62,5	62,5	62,5	66,3	66,3	66,3
n	2			2			1			1			1		
STEME	5,5	5,0	6,0	95,0	92,5	97,5		-		81,3	77,5	85		-	
n	2			2				-		2				-	
THLAR	6,8	6,8	6,8	100,0	100,0	100,0	100,0	100,0	100,0		-		100,0	100,0	100,0
n	1			1			1				-		1		
VIOAR	15,4	6,0	45,0	79,0	57,5	90,0	78,9	62,5	88,0	64,5	40,0	87,5	84,3	62,5	95,8
n	8			8			3			5			3		
VERPE	8,5	7,0	9,8	73,4	41,3	92,5	82,4	82,0	82,8	73,2	57,5	88,8	89,5	89,5	89,5
n	4			4			2			2			2		

weed-species	UNCK-PLA/m2			ADM.06001.H.2.B+ Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12-OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12-OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star+ Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	mean	min	max	mean	min	mean	min	max	mean	min
ALOMY	25,2	12,0	37,5	87,9	80,0	92,0	90,6	90,6	93,8		-		89,6	82,5	96,3
n	7			4			4				-		4		
APESV	17,1	8,0	26,0	87,5	80,0	96,3	92,5	92,5	92,5	91,4	86,3	95,0	83,8	83,8	83,8
n	10			5			1			7			1		
AVEFA	11,3	7,0	18,0	77,5	60,0	90,0		-		85,0	80,0	88,8		-	
n	3			3				-		3				-	
BRSNW	6,7	5,0	9,3	98,4	93,8	100,0	99,4	98,8	100,0	82,2	57,5	96,3	100,0	100,0	100,0

n	6			4			2			4			2		
CAPBP	12,8	7,0	25,0	97,5	97,5	97,5		-		74,4	57,5	97,5		-	
n	4			2				-		4				-	
CENCY	8,7	6,0	13,0	86,9	85,0	88,8		-		51,3	30,0	72,5		-	
n	4			2				-		2				-	
GALAP	6,9	5,3	8,8	85,9	81,3	92,5	42,5	13,8	71,3	35,4	12,5	48,8	53,9	18,8	89,0
n	6			4			2			3			2		
LAMPU	8,0	5,3	11,0	80,8	78,8	82,3	99,2	98,3	100,0	27,5	27,5	27,5	99,8	99,5	100,0
n	5			5			2			1			2		
MATCH	6,7	6,3	7,0	91,3	83,8	98,8	78,5	61,3	95,8		-		80,4	62,5	98,3
n	2			2			2				-		2		
MATIN	7,0	5,0	9,0	92,1	87,5	96,3		-		73,1	50,0	88,8		-	
n	10			6				-		8				-	
PAPRH	6,3	5,0	8,0	84,4	82,5	86,3	67,5	67,5	67,5	60,0	57,5	62,5	66,3	66,3	66,3
n	3			2			1			2			1		
POAAN	12,6	5,0	22,0		-			-		88,7	81,3	91,3		-	
n	4			-				-		4				-	
STEME	5,5	5,0	6,0	95,0	92,5	97,5		-		83,5	77,5	93,8		-	
n	5			3				-		4				-	
THLAR	7,4	6,8	8,0	100,0	100,0	100,0	100,0	100,0	100,0		-		100,0	100,0	100,0
n	2			1			1				-		1		
VIOAR	13,2	6,0	45,0	82,1	76,3	90,0	78,9	62,5	88,0	70,5	40,0	95,0	84,3	62,5	95,8
n	14			7			3			7			3		
VERPE	7,5	5,5	9,8	84,0	76,3	92,5	82,4	82,0	82,8	68,2	47,5	88,8	89,5	89,5	89,5
n	5			3			2			2			2		

Table 3.2-14c: Efficacy of ADM.06001.H.2.B applied with Camaro 306 SE at proposed label rate: 0,5 l/ha + 0,5 l/ha, at assessment BBCH 51-69; DAA 36-77

Weed species	UNCK PLA/m2			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	mean	min	max	mean	min	mean	min	max	mean	max
ALOMY	25,5	12,0	37,5	87,9	81,3	92	89	87,5	91,3		-		89,3	83,8	93,8
n	4			4			4				-		4		
APESV	24,5	8,0	50	93,8	81,3	100,0	93,8	93,8	93,8	82,8	73,8	91,3	83,8	83,8	83,8
n	6			6			1			5			1		
AVEFA	15,0	8,0	22	87,8	62,5	100,0		-		95,1	81,3	100,0		-	
n	4			4				-		4				-	
BRSNW	6,7	5,0	9,3	98,4	93,8	100,0	99,4	98,8	100,0	75,6	60,0	91,3	100,0	100,0	100,0
n	4			4			2			2			2		
CAPBP	13,0	7,0	20	99,2	98,8	100		-		73,3	60,0	100,0		-	
n	3			3				-		3				-	
CENCY	19,7	6,0	38	87,1	82,5	90,0		-		57,5	40,0	72,5		-	
n	3			3				-		3				-	
GALAP	7,1	5,3	8	83,3	70	92,5	44,4	17,5	71,3	51,7	12,5	93,8	55,8	22,5	89,0
n	5			5			2			3			2		
LAMPU	8,8	5,5	11,0	87,0	78,8	100,0	99,2	98,3	100,0	42,5	42,5	42,5	99,8	99,5	100,0
n	3			3			2			1			2		
MATCH	6,7	6,3	7,0	93,8	88,8	98,8	81,0	66,3	95,8				82,9	67,5	98,3
n	2			2			2			2			2		
MATIN	9,8	5,0	30	93,3	85	100,0		-		80	60,0	100		-	
n	8			8				-		8				-	
PAPRH	7	5,0	9,0	89,4	86,3	92,5	77,5	77,5	77,5	62,5	62,5	62,5	76,3	76,3	76,3
n	2			2			1			1			1		
STEME	5,5	5,0	6,0	95,7	92,5	98,8		-		82,5	80	85		-	
n	2			2				-		2				-	
THLAR	6,8	6,8	6,8	100,0	100,0	100,0	100,0	100,0	100,0		-		100,0	100,0	100,0
n	1			1			1				-		1		
VIOAR	15,7	6,0	44,0	82,0	65,0	100,0	80,6	67,5	88,0	67,8	50,0	86,3	85,5	66,3	95,8
n	8			8			3			5			3		
VERPE	8,2	7,0	9,8	75,9	76,3	97,5	82,4	82,0	82,8	82,5	67,5	97,5	89,5	89,5	89,5
n	4			4			2			2			2		

weed-species	UNCK PLA/m2			ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha			Atlantis 12 OD+ Biopower 1,2l/ha+1,2l/ha			Atlantis 12 OD+ Biopower 0,6l/ha+0,6l/ha			Atlantis Star + Biopower 0,33kg/ha+1,0l/ha		
	mean	min	max	mean	min	mean	min	max	mean	min	mean	min	max	mean	max
ALOMY	25,2	12,0	37,5	89,5	81,3	93,8	89,3	87,5	92,5		-		88,7	83,8	93,8
n	6			4			4				-		4		
APESV	19,7	8,0	38,0	93,8	86,3	100,0	93,8	100,0	100,0	88,5	73,8	100,0	83,8	100,0	100,0
n	10			5			1			7			1		
AVEFA	12,7	8,0	21,0	86,7	62,5	100,0		-		93,8	81,3	100,0		-	
n	3			3				-		3				-	
BRSNW	6,7	5,0	9,3	98,4	93,8	100,0	99,4	98,8	100,0	82,8	60,0	96,3	100,0	100,0	100,0

n	6			4			2			4			2		
CAPBP	12,8	7,0	25,0	98,8	98,8	98,8		-		86,0	60,0	100,0		-	
n	4			2				-		4				-	
CENCY	9,3	6,0	15,0	89,4	88,8	90,0		-		56,3	40,0	72,5		-	
n	4			2				-		2				-	
GALAP	7,1	5,3	8,8	86,6	81,3	92,5	44,4	17,5	71,3	30,6	12,5	48,8	55,8	22,5	89,0
n	6			4			2			2			3		
LAMPU	8,4	5,3	11,0	87,0	78,8	100,0	99,2	98,3	100,0	42,5	42,5	42,5	99,8	99,5	100,0
n	5			3			2			1			2		
MATCH	6,7	6,3	7,0	93,8	88,8	98,8	81,0	66,3	95,8				82,9	67,5	98,3
n	2			2			2			2			2		
MATIN	7,1	5,0	10,0	79,1	7,0	100,0		-		75,2	60,0	88,8		-	
n	10			6				-		8				-	
PAPRH	6,7	5,0	9,0	89,4	86,3	92,5	77,5	77,5	77,5	62,5	62,5	62,5	76,3	76,3	76,3
n	3			2			1			1			1		
POAAN	17,6	5,0	32,0		-			-		92,8	85,0	100,0		-	
n	4			-				-		4				-	
STEME	5,5	5,0	6,0	95,7	92,5	98,8		-		85,0	77,5	97,5		-	
n	5			2				-		4				-	
THLAR	7,4	6,8	8,0	100,0	100,0	100,0	100,0	100,0	100,0		-		100,0	100,0	100,0
n	2			1			1				-		1		
VIOAR	13,4	6,0	44,0	84,4	76,3	100,0	80,6	67,5	88,0	72,5	50,0	100,0	85,5	66,3	95,8
n	14			7			3			7			3		
VERPE	7,3	5,5	9,8	85,7	76,3	97,5	82,4	82,0	82,8	72,5	47,5	97,5	89,5	89,5	89,5
n	5			3			2			2			2		

Minor use
n.a.

Yield (and relevant quality indicators), from efficacy trials (in the presence of challenging pest populations)

No any of efficacy trials were harvested.

Summary and conclusion

The submitted efficacy data (reports from field trials) and additional information fulfil requirements and conditions determined in the following EPPO guidelines:

PP 1/135 (4) Phytotoxicity assessment;

PP 1/152 (4) Design and analysis of efficacy evaluation trials;

PP 1/181 (4) Conduct and reporting of efficacy evaluation trials including good experimental practice.

PP 1/93 (3) Weeds in cereals

The studies fulfil also requirements of the Commission Regulation (EU) No 540/2011 of 25 May 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards the data requirements for plant protection products.

~~In~~ Total ~~20~~ 22 efficacy trials carried between 2018-~~2020~~ 2021 in winter wheat have generated valid data on the efficacy of ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE. Out of all efficacy trials conducted , tank mixture of ADM.06001.H.2.B + Camaro 306 SE (0,5 l/ha + 0,5 l/ha) was tested in ~~10~~ 12 efficacy trials (2020) , tank mixture of ADM.06001.H.2.B + Insert (0,5l/ha +0,2 l/ha) was tested in ~~17~~ 19 trials, ADM.06001.H.2.B + Insert (1,0 l/ha of ADM.06001.H.2.B) was tested in 5 trials between 2018-2021.

Results are presented by evaluation according to EPPO guideline PP 1/93(3):

A1- up to 2 weeks after the treatment (7-16 DAA, BBCH 31-37)

A2- 3-4 weeks after the treatment (21-29 DAA, BBCH 33-51)

A3 – optional shortly before the harvest (38-77 DAA, BBCH 51-73)

Reference products:

Atlantis 12 OD + Biopower applied at range of registered dose rates :0,6 l/ha-1,2 l/ha

Atlantis Star + Biopower applied at higher registered dose rate: 0,33kg/ha+1,0l/ha

Susceptibility classification of weed plants depending on effectiveness of their control by herbicide , according to SANCO /10055/2013 Rev.4 from 3 October 2013.

HS (Highly susceptible)	95-100%
S (Susceptible)	85-94,9%
MS (Moderately Susceptible)	70-84,9%
MT (Moderately Tolerant)	50-69,9%
T (Tolerant)	0-49,9%

Table 3.2 12: Susceptibility classification of weed plants in winter cereals assessment interval 21-29 DAA or 36-77 DAA, BBCH 33-51 or BBCH 51-69

Classification	DAA 21-29 or 36-77 DAA, BBCH 33-51 or BBCH 51-69		
Treatment	ADM.06001.H.2.B + Camaro 306 SE 0,5 l/ha + 0,5 l/ha	ADM.06001.H.2.B + Insert 0,5l/ha +0,2 l/ha	ADM.06001.H.2.B + Insert 1,0 l/ha +0,2 l/ha
HS	BRSNW(4), CAPBP(2),STEME(3) (2), THLAR(1)		APESV(1),BRSNW(2)
S	ALOMY(4),APESV(5) (6), AVEFA (4), CAPBP (3), CENCY(2),GALAP(4), LAMPU (3), MATCH(2),MATIN(6) (8)	ALOMY(3),APESV(9) (10), AVEFA (3) (4),POAAN(4)	ALOMY(5),THLAR(1)
MS	AVEFA(3) , GALAP (5), LAMPU(5), PAPRH(2),VIOAR(7) (8), VERPE (3) (4)	CAPBP (5), STEME(5)	MATIN(1)
MT	-	BRSNW(4),CAPBP(4), MATIN(11),PAPRH(2),STEME(5), VIOAR (4) (11)	CENCY(1), LAMPU(2), MATCH(2),PAPRH(1), VIOAR(4),
T	-	CENCY(3) (4),GALAP(4) (5), LAMPU(3),MATIN(9), THLAR(1), VERPE(3) (4)	GALAP(2),VERPE(2)

(Number in brackets stays for number of trial locations)

The applicant submitted 20 22 reports (in total) showing the results in research into product efficacy carried out between 2018 and 2021 in winter wheat. Obtained results shows benefits :increasing efficacy in control of both mono and dicotyledonous weed plants in winter cereals.

3.2.3.4 Extrapolation

It is justifiable to extrapolate from a strong database of one crop to support registration of another crop if certain conditions are met.

According to SANCO/D3/SI2.395857¹, proposed general principles for efficacy extrapolations between crops for the same target weed are:

- Extrapolations may only be accepted for the extension of use of a given plant protection product used in the same way and at the same rate and dose, i.e. they cannot be used to extrapolate a use to a different product.
- When considering the acceptability of an extrapolation, account must be taken of timing of weed control, times of sowing/planting, competitiveness of the crop, time/method of harvesting and ease of separating crop and weed seeds.
- Extrapolation may be possible for the control of a particular weed outdoors to the same species under protected conditions, since conditions are less variable and weeds under protection tend to be more sensitive. However, effectiveness under protected conditions cannot be extrapolated to outdoor use as weeds grown outdoors are usually hardened off and therefore less sensitive to herbicides.
- The efficacy of soil-acting herbicides against weed species in the field cannot be extrapolated to use in potted plants. The efficacy of herbicides (whether contact or soil-acting) cannot be extrapolated from use either outdoors or in potted plants, to use in artificial substrate. This is due to the likelihood of different effects on efficacy of different growing media.

Conclusion

With regard to the above-mentioned considerations and the data package submitted with this dossier, containing data on several weeds in winter wheat, in general:

- Please consider data submitted for winter wheat for other winter cereals: winter triticale and winter rye

3.2.3.4-1: Extrapolation table

Harmful organism / group of harmful organisms	Representative plant	Plants that we carry out extrapolation	Number of efficacy studies required	Number of Selectivity trials studies required for tank mixtures
weed species	winter wheat (TRZAW)	winter triticale (TTLWI) winter rye (SECCW)	not needed	required according to the national arrangements**: Winter wheat (TRZAW)*: winter triticale (TTLWI)*: 3-7 winter rye (SECCW)*: 4-7

*Please see details of number of selectivity trials per crop/per use in chapter “Phytotoxicity to host crop (KCP 6.4.1)

** The number of selectivity trials for tank mixtures depends on whether the crops (and selectivity) are known for the products applied solo.

According to presented above the extrapolation table, rules specified, can be used to register the plant protection product in the PL (National Level) or as part of the assessment as an IMS or as part of commenting.(all information available under link: <https://www.gov.pl/web/rolnictwo/ustalenia-dotyczace-sporzadzania-oceny-lub-uwag-w-zakresie-srodkow-ochrony-roslin-przez-podmioty-upowaznione>)

¹ „Proposals for extending and harmonizing efficacy and crop safety extrapolations to reduce the need for efficacy trials on minor crops“; SANCO/D3/SI2.395857; Final report; October 2005

**Comments of zRMS on:
Efficacy tests (3.2.3)**

The efficacy data package submitted by the applicant is sufficient to evaluate the efficacy of the herbicide ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and the herbicide Camaro 306 SE at target dose rates.

Conclusions from the evaluation

Overall classification of weed susceptibility (based on SANCO/10055/2013 Rev. 4, 3 October 2013 / national arrangements) has been presented below:

	Weed susceptibility	
ADM.06001.H.2.B + Insert Dose Rates	0.5 L/ha + 0.2 L/ha	1.0 L/ha + 0.2 L/ha
Grass weed species		
ALOMY	S	S
APESV	S	HS/S
AVEFA	S	-
POAAN	S	-
Broad-leaved weed species		
BRSNW	MT	HS/S
CAPBP	MS	-
CENCY	T	MT/T ¹
GALAP	T	T
LAMPU	T	MT
MATCH	-	MT ¹
MATIN	MT	MS ¹
PAPRH	MT ¹	MT ¹
STEME	MS	-
THLAR	T ¹	S ¹
VERPE	T	T
VIOAR	MT/T	MT/T
ADM.06001.H.2.B + Camaro 306 SE Dose Rates	0.5 L/ha + 0.5 L/ha	
Grass weed species		
ALOMY	S	
APESV	S	
AVEFA	S	
Broad-leaved weed species		
BRSNW	HS/S	
CAPBP	S	
CENCY	MS ¹	
GALAP	MS	
LAMPU	S	
MATCH	S ¹	
MATIN	S	
PAPRH	MS ¹	
STEME	HS/S	
THLAR	HS/S ¹	
VERPE	MS	
VIOAR	MS	

¹ Not sufficient number of trials

The following classification of weed species susceptibility can be included in the label for tank mixtures of ADM.06001.H.2.B with adjuvant Insert or with the herbicide Camaro 306 SE:

ADM.06001.H.2.B at 0.5 L/ha + Insert at 0.2 L/ha
Susceptible weed species: ~~ALOMY~~, APESV, AVEFA, POAAN
Moderately susceptible weed species: CAPBP, STEME
Moderately tolerant weed species: BRSNW, MATIN
Tolerant weed species: CENCY, GALAP, LAMPU, VERPE, VIOAR

ADM.06001.H.2.B at 1.0 L/ha + Insert at 0.2 L/ha
Susceptible weed species: ~~ALOMY~~, APESV, BRSNW
Moderately tolerant weed species: LAMPU
Tolerant weed species: GALAP, VERPE, VIOAR

ADM.06001.H.2.B at 0.5 L/ha + Camaro 306 SE at 0.5 L/ha
Susceptible weed species: ~~ALOMY~~, APESV, AVEFA, BRSNW, CAPBP, LAMPU, MATIN, STEME
Moderately susceptible weed species: GALAP, VERPE, VIOAR

ALOMY has been removed for tank mixtures:

- 0.5 l/ha Edaptis + 0.2 l/ha adjuvant Insert
- 0.5 l/ha Edaptis + 0.5 l/ha Camaro

at the request of the applicant (in order to minimize the risk of occurrence and development of **ALOMY** resistance to active substance pinoxaden), while commenting period of the herbicide ADM.06001.H.2.B.

3.3 Information on the occurrence or possible occurrence of the development of resistance (KCP 6.3)

Please refer to core dossier

Comments of zRMS on:

Information on the occurrence or possible occurrence of the development of resistance (3.3)

Not applicable.

3.4 Adverse effects on treated crops (KCP 6.4)

Additionally to phytotoxicity assessments at 20 efficacy trials, 27 crop selectivity trials have been conducted between 2018 and 2021, specifically to determinate crop safety and possibility of adverse impact on quality and quantity of yield, after application of ADM.06001.H.2.B in tank mix with adjuvant Insert and herbicide Camaro 306 SE. Tested mixtures were applied at target dose rate: 1N and double dose rate : 2N.

Table 3.4-1: Presentation of trials (selectivity trials)

Crop*	Country	Type of trial**	Number of trials	Years	GEP, non-GEP, official***
winter wheat	PL	S + Y + Q	6	2018- 2021 2020	GEP
winter triticale	PL	S + Y + Q	10	2018-2021	GEP
winter rye	PL	S + Y + Q	11	2018-2021	GEP
TOTAL	-	-	27	2018-2021	-

* According to the GAP table

** S = selectivity trial, Y = trial with yield assessment, Q = trial with quality assessment, T = trial on the basis of the study of impact on transformation process (TP: Physical transformation, TF: transformation involving microbial fermentation), P = trial with assessment of impact on propagation

*** Official: carried out by a national official organisation

Table 3.4-2: Presentation of reference standards used in trials (selectivity trials)

Crop(s)	Reference standards	Country(ies) where the product is registered ⁽¹⁾	Authorization number	Active substance(s) (a.s)	Formulation		Registered application rate ⁽³⁾	Application rate in trials (per treatment)	Remark ⁽⁴⁾
					Type ⁽²⁾	Concentration of a.s.			
Winter wheat (TRZAW)	Axial 50 EC	PL	R - 105/2014	pinoxaden	EC	50 g/L	0,9-1,2 l/ha	1,2-2,4 l/ha	
Winter triticales (TTLWI)	Axial 50 EC	PL	R - 105/2014	pinoxaden	EC	50 g/L	0,9-1,2 l/ha	0,9-1,8 l/ha	
	Mustang 306 SE	PL	R-53/2010	Florasulam 2,4-D	SE	6,25 g/l 300 g/l	0,4-0,6 l/ha	0,6-1,2 l/ha	
	Aprilia 12 OD			iodosulfuron methyl-sodium mesosulfuron methyl	OD	2 g/l 10 g/l	0,45-1,2 l/ha	0,45-0,9 l/ha	
Winter rye (SECCW)	Axial 50 EC	PL	R - 105/2014	pinoxaden	EC	50 g/L	0,9-1,2 l/ha	0,9-1,8 l/ha	
	Mustang 306 SE	PL	R-53/2010	Florasulam 2,4-D	SE	6,25 g/l 300 g/l	0,4-0,6 l/ha	0,6-1,2 l/ha	
	Aprilia 12 OD			iodosulfuron methyl-sodium mesosulfuron methyl	OD	2 g/l 10 g/l	0,45-1,2 l/ha	0,45-0,9 l/ha	

(1) only on use(s) applied for (with the test product)

(2) e.g. WP (wetable powder), EC (emulsifiable concentrate), etc.

(3) Dose / dose range authorized in the country

(4) Other relevant information (e.g. uses, number of applications, spray volume, method of application...)

3.4.1 Phytotoxicity to host crop (KCP 6.4.1)

Total of 27 selectivity trials have been carried out between 2018 and 2021, in NE EPPO zone (Poland), specifically to determinate crop safety and possibility of adverse impact on quality and quantity of yield , after application of ADM.06001.H.2.B in tank mix with adjuvant Insert and herbicide Camaro 306 SE. Tested mixtures were applied at target dose rate: 1N and double dose rate : 2N.

Number of crop selectivity trials per crop carried out to demonstrate the crop safety of tested tank mixture are listed in the table below.

Crop	Number of trials	Country	Tested mixture/nr of results	Year trials conducted
Winter wheat (TRZAW)	6	Poland	ADM.06001.H.2.B + Insert – 6 ADM.06001.H.2.B+ Camaro 306 SE - 4	2018-2020
Winter triticales (TTLWI)	10	Poland	ADM.06001.H.2.B + Insert – 7 ADM.06001.H.2.B+ Camaro 306 SE - 3	2018-2021
Winter rye (SECCW)	11	Poland	ADM.06001.H.2.B + Insert – 7 ADM.06001.H.2.B+ Camaro 306 SE - 4	2018-2021

All crop selectivity trials were carried out by organisations that are officially recognised as competent to carry out efficacy testing in accordance with Regulation (EU) 284/2013.

Table 3.4-3: Details on trial methodology - selectivity

Guidelines	General guidelines	EPPO PP 1/152 (3/4), 135(3), 1/181(3/4)
	Specific guidelines	EPPO PP 1/93 (3)
Experimental design	Plot design	RCBD (all)
	Plot size	15-30 m2
	Number of replications	4 (all)
Crop	Trials per crop	Winter wheat (6) Winter triticale (10) Winter rye(11)
	Varieties per crop	Winter wheat: Dagmar, Patras (2), Hondia, Tonacja, Sailor Winter triticale: Meloman (2), Rotondo, Trapero, Gringo, Subito, Twingo, Fredo, Tadeus (2) Winter rye: KWS Jethro, Brasetto, Theofano, Tur F1, Amilo, Dańkowskie Złote (2), Binntto, Bono, KWS Berado, Dańkowskie Amber
	Sowing period	Winter wheat: 24/09/2019, 25/09/2019, 24/09/2019, 25/09/2019, 27/09/2019, 28/09/2019, 2017, 21/09/2018, 2017 Winter triticale: 14/05/2019, 25/09/2019, 20/09/2019, 27/09/2017, 21/09/2017, 20/10/2017, 03/11/2020, 27/10/2020, 14/10/2020 Winter rye: 25/09/2019, 24/09/2019, 23/09/2019, 20/09/2017, 19/09/2017, 09/11/2020, 30/10/2020, 09/10/2020, 20/10/2020
Application	Crop stage (BBCH)* at application	Winter wheat: 28-37 Winter triticale: 13-39 Winter rye: 13-39
	Number of applications Intervals between applications	1
	Spray volumes	200 80 - 300 L/ha
Assessment	Assessment types	PHYGEN (%) general phyto LODGING (%) visual estimation Yield parameters: HLW- hectoliters weight MOICON – moisture content TKW – thousand kernel weight GERMIN- germination
	Assessment dates	A0-A4 assessments in the range of 0-69 DAT
Other relevant information	Soil type	Loam, sandy loam, sandy clay, loamy sand, fine sand, sandy loam, clay, sand, clay loam
	e.g. Natural / artificial inoculation...	Weed-free locations
	e.g. Field / Greenhouse...	Field trials

Trials were conducted according to the EPPO guidelines stated in Table 3.4-3. In all trials, layout was according to randomised complete block design with 4 replicates per treatment. All normal crop husbandry measures, with the exception of herbicides, were applied to the trials area by the grower, according to crop requirements and in accordance with good agricultural practice. Trials included a range of soil types and locations to determine crop tolerance under a range of conditions. All trials were placed within regions representative of those where cereal crops are grown.

Applications on all crop selectivity trials were made using small plot sprayers designed to simulate application using commercial sprayers representative of those used to apply herbicides in cereal crops. The standard reference products were applied according to the label recommendations at authorised label rates and also at twice these rates.

Results selectivity in efficacy trials

No phytotoxicity symptom caused by the test product ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE at target dose rate – 1N was recorded in any of efficacy trials.

Results selectivity in specific selectivity trials

Regarding selectivity trials , phytotoxic symptoms were recorded only on 3 out of 11 selectivity trials in winter rye (SECCW) .

In trial: PL20 HSSECCW 013A (var. KWS Jethro), 14 and 28 days after application A, slight leaf chlorosis symptoms were caused by ADM.06001.H.2.B + Insert (1,0 L/ha+ 0,2 L/ha; 2,0 L/ha+0,4 L/ha) and the reference product Axial 50 EC (0,9 L/ha; 1,8 L/ha) . Leaf chlorosis were transient and disappeared within time. The symptoms had no negative influence on the yield and germination ability and vigour of crop plants.

In trial PL20 HSSECCW 013B (var. Brasetto) phytotoxic effects (stunting) was observed on treatment ADM.06001.H.2.B + Insert (1,0 L/ha+ 0,2 L/ha) only in 13 DAA (5%) , on treatment ADM.06001.H.2.B + Insert (2,0 L/ha+0,4 L/ha) at all assessment intervals.

Stunting effect was observed during all assessments: 13 DAA – 25% ;27 DAA – 20%AND 41 DAA- 20% on 2N treatment, also phytotoxic effects influenced on vigour of crop plants at 2 assessments: 13DAA – 75% and 27 DAA – 80% , no effect on vigour was observed at last assessment 41 DAA.

Phytotoxicity had no negative influence on yield parameters.

In trial PL20 HSSECCW 013C (var. Theofano) symptoms of stunting were observed at assessment 14 DAA on treatment ADM.06001.H.2.B + Insert (1,0 L/ha+ 0,2 L/ha) – 2% and on treatment ADM.06001.H.2.B + Insert (2,0 L/ha+ 0,4 L/ha) during each of assessments: 14DA-A 15%, 28DA-A 10%, 46DA-A 10%. . Phytotoxicity also influence on vigour of crop plant. Phytotoxicity had no negative influence on yield parameters.

Table 3.4-4: Phytotoxicity of product in winter rye (SECCW)

Number of trials with...		Selectivity trials (11 trials)				Efficacy trials (20 trials)	
		ADM.06001.H.2.B + Insert		Axial 50 EC		ADM.06001.H.2.B + Insert	Axial 50 EC
		N	2N	N	2N	N	N
Maximum of phytotoxicity recorded during the trials	0% to 5%	2	0	0	0	0	0
	>5% to 10%	1	1	1	1	0	0
	>10% to 15%	0	0	0	0	0	0
	>15 %	0	2	0	0	0	0
Level of symptoms at the last assessments	0% to 5%	0	0	0	0	0	0
	>5% to 10%	0	0	0	0	0	0
	>10% to 15%	±	0-1	0	0	0	0
	>15 %	±	0-1	0	0	0	0

Tested tank mixture ADM.06001.H.2.B + Insert applied at the maximum proposed label rate (1,0 l/ha + 0,2 l/ha) in winter rye (SECCW), in 3 out of 11 selectivity trials, caused transient phytotoxic effects like leaf chlorosis or stunting during 1-3 2 assessments, with no negative influence on yield parameters.

Tested tank mixture ADM.06001.H.2.B + Insert applied at 2N dose rate (2,0 l/ha + 0,4 l/ha) in winter rye (SECCW), in 3 out of 11 selectivity trials cause slight phytotoxic effects like leaf chlorosis at first 2 assessments (1 trial) and slight till moderate stunting effect observed at 3 assessments (2 trials).

No phytotoxicity or other adverse effects cause by tank mixture ADM.06001.H.2.B + Insert, applied at 1N and 2N dose rate, on the other tested crops: winter wheat (TRZAW) and winter triticale (TTLWI)

were observed.

No phytotoxicity of tank mixture ADM.06001.H.2.B + Camaro 306 SE, applied at target dose rate: 0,5 l/ha + 0,5 l/ha and double (2N) dose rate: 1,0 l/ha + 1,0 l/ha, were observed in any of efficacy and selectivity trials, at any of assessment intervals.

No phytotoxicity symptoms caused by the test product ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and product Camaro 306 SE at target dose rate – 1N were recorded in any of efficacy trials.

**Comments of zRMS on:
Phytotoxicity to host crop (3.4.1)**

The selectivity data package submitted by the applicant is sufficient to evaluate the effect of the herbicide ADM.06001.H.2.B applied in tank mixture with adjuvant Insert and the herbicide Camaro 306 SE. Phytotoxicity symptoms: slight leaf chlorosis or stunting appeared in only 3 of 11 selectivity trials, conducted on winter rye after application of tank mixture ADM.06001.H.2.B + Insert at 1N and 2 N dose rates. These effects were transient and disappeared in 3 trials, after application of tank mixture ADM.06001.H.2.B + Insert at 1N dose rate., and in 1 trial, where ADM.06001.H.2.B was applied with Insert at 2N dose rates. The subsequent yield analysis showed also no impact of phytotoxicity symptoms occurrence on the quantity and quality of the crop yield. No phytotoxicity symptoms were observed after application of tank mixture of ADM.06001.H.2.B + Camaro 306 SE at 1N and 2 N dose rates in any of the selectivity trials carried out. Additionally, no phytotoxicity was noted in all efficacy trials, after application of tank mixtures: ADM.06001.H.2.B + Insert, ADM.06001.H.2.B + Camaro 306 SE at 1N dose rates.

Based on the submitted trial results it can be concluded that ADM.06001.H.2.B applied with the adjuvant Insert or with the herbicide Camaro 306 SE at target dose rates can be safely used in winter wheat, winter rye and winter triticale without risk of consistent crop damages affecting crop yield.

To prevent any phytotoxicity occurrence, it is recommended to include in the label remark to avoid overlapping of the spray liquid and not to perform treatments in time when crops are under stress due to unfavorable environmental conditions and when crops are weakened or damaged by pests, frosts, flooding or drought

3.4.2 Effect on the yield of treated plants or plant product (KCP 6.4.2)

Total of 27 selectivity trials have been carried out between 2018 and 2021, in NE EPPO zone (Poland), specifically to determinate crop safety and possibility of adverse impact on quality and quantity of yield, after application of ADM.06001.H.2.B in tank mix with adjuvant Insert and herbicide Camaro 306 SE. Tested mixtures were applied at target dose rate: 1N and double dose rate: 2N.

Crops were harvested at normal commercial conditions, following a single application of tested tank mixtures:

ADM.06001.H.2.B + Insert at the maximum proposed label rate: 1,0 l/ha + 0,2 l/ha and at twice this rate 2,0 l/ha + 0,4 l/ha.

And

ADM.06001.H.2.B + Camaro 306 SE at the proposed label rate: 0,5 l/ha + 0,5 l/ha and double rate: 1,0 l/ha + 1,0 l/ha

to simulate sprayer overlap, in the absence of weeds in cereals.

The materials and methods used in all crop selectivity trials are given in Section 3.4.1.

Tested tank mixture ADM.06001.H.2.B + Insert applied at the maximum proposed label rate 1,0 l/ha + 0,2 l/ha in winter rye (SECCW), in 3 out of 11 selectivity trials, caused transient phytotoxic effects like leaf chlorosis or stunting during 1-3² assessments, with no negative influence on yield.

Tested tank mixture ADM.06001.H.2.B + Insert applied at 2N dose rate 2,0 l/ha + 0,4 l/ha in winter rye (SECCW), in 3 out of 11 selectivity trials cause slight phytotoxic effects like leaf chlorosis at first 2 assessments (1 trial) and slight till moderate stunting effect observed at 3 assessments (2 trials), with no negative influence on yield.

Tested tank mixture ADM.06001.H.2.B + Camaro 306 SE applied at the proposed label rate: 0,5 l/ha + 0,5 l/ha and double rate: 1,0 l/ha + 1,0 l/ha, has no negative influence on yield observed.

Table 3.4-5: Relationship between phytotoxicity and Yield of winter triticale

Winter triticale (TTLWI)																												
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha			Mustang 306 SE +Aprilia 12 OD 0,6l/ha+0,45L/HA			Mustang 306 SE +Aprilia 12 OD 1,2l/ha+0,9l/ha		
Rating type	n	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
YIELD (kg/plot)	10	6,3	4,7	8,6	6,1	5,4	6,8	6,2	5,4	6,8	6,6	4,7	8,6	6,6	4,7	8,6	5,9	4,7	8,4	6,0	4,7	8,5	7,1	6,2	8,4	7,2	6,3	8,5
YIELD (t/ha)	10	5,9	4,6	8,2	5,1	4,5	5,6	5,1	4,5	5,7	6,2	4,5	7,9	6,2	4,5	7,9	5,9	4,5	8,0	5,9	4,5	8,1	6,2	5,2	8,0	6,3	5,2	8,1

Table 3.4-5a: Yield of winter rye

Winter rye (SECCW)																												
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha			Mustang 306 SE +Aprilia 12 OD 0,6l/ha+0,45L/HA			Mustang 306 SE +Aprilia 12 OD 1,2l/ha+0,9l/ha		
Rating type	n	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x	mea n	mi n	ma x
YIELD (kg/plot)	9	5,5	3,0	10,5	5,6	5,3	5,9	5,6	5,3	5,9	5,7	3,0	11,1	5,6	3,0	10,8	4,2	3,0	6,4	4,4	3,0	6,5	5,6	5,4	5,9	5,6	5,4	5,9
YIELD (t/ha)	1 1	5,3	3,7	8,8	4,6	4,3	4,9	4,6	4,4	4,8	5,8	3,7	9,2	5,7	3,6	9,0	4,4	3,4	6,1	4,5	3,9	6,2	4,7	4,4	4,9	4,7	4,4	4,9

Table 3.4-5b: Yield of winter wheat

Winter wheat (TRZAW)																						
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha		
Rating type	n	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
YIELD (kg/plot)	6	6,8	3,9	10,6	8,1	5,8	10,8	8,2	5,8	11,0	6,9	3,9	10,9	6,9	3,9	10,7	6,9	3,9	10,7	7,0	3,9	10,7
YIELD (t/ha)	6	7,1	5,1	7,9	7,5	6,7	8,0	7,6	6,7	8,2	7,1	5,1	8,1	7,1	5,1	8,0	7,1	5,2	7,9	7,2	5,2	7,9

Tested tank mixtures :

ADM.06001.H.2.B + Insert applied at the propose label rate:0,5-1,0 l/ha +0,2 l/ha and 2N dose rate 2,0 l/ha + 0,4 l/ha

ADM.06001.H.2.B + Camaro 306 SE at the proposed label rate: 0,5 l/ha + 0,5l/ha and 2N dose rate: 1,0 l/ha+1,0 l/ha

do not have negative influence on yield in any of tested winter cereals: winter wheat (TRZAW), winter triticale (TTLWI) and winter rye (SECCW)

Comments of zRMS on:

Effect on the yield of treated plants or plant products (3.4.2)

Based on the submitted trial results it can be concluded that ADM.06001.H.2.B applied in tank mixture with adjuvant Insert or with the herbicide Camaro 306 SE, at recommended dose rates, does not affect negatively on the yield of the target crops.

3.4.3 Effects on the quality of plants or plant products (KCP 6.4.3)

Total of 27 selectivity trials have been carried out between 2018 and 2021, in NE EPPO zone (Poland), specifically to determinate crop safety and possibility of adverse impact on quality and quantity of yield , after application of ADM.06001.H.2.B in tank mix with adjuvant Insert and herbicide Camaro 306 SE. Tested mixtures were applied at target dose rate: 1N and double dose rate : 2N.

Crops were harvested at normal commercial conditions, following a single application of tested tank mixtures:

ADM.06001.H.2.B + Insert at the maximum proposed label rate: 1,0 l/ha + 0,2 l/ha and at twice this rate 2,0 l/ha + 0,4 l/ha

And

ADM.06001.H.2.B + Camaro 306 SE at the proposed label rate: 0,5 l/ha + 0,5l/ha and double rate: 1,0 l/ha+1,0 l/ha

to simulate sprayer overlap, in the absence of weeds in winter cereals.

As presented in tables: 3.4-6 and 7 , application of tested tank mixtures as specified above , did not have negative influence on yield parameters.

Obtained results from determined yields parameters like:

MOICON (moisture content); HLW(hectolitres weight), TKW (thousand kernel weight) and ~~GREMIN~~ **GERMIN** (germination) in tested crops: winter wheat (TRZAW), winter triticale (TTLWI) and winter rye (SECCW) do not differ statistically significant from untreated as well as from results from reference products results.

Based on the absence of consistent or pronounced reductions in yield parameters, it is reasonable to conclude that a single application of tank mixtures ADM.06001.H.2.B and both adjuvant Insert and product Camaro 306 SE at the maximum proposed label rates, applied according to label recommendations, has no adverse impact on the quality of yield parameters in tested crops.

Table 3.4-6: Yield parameters TRZAW (winter wheat)

TRZAW																						
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha		
Rating type	n	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
MOICON	6	13,2	12,5	14,5	13,6	12,6	14,8	13,4	12,5	14,6	13,1	12,5	14,6	13,1	12,2	14,7	13,1	12,1	14,5	13,3	12,3	15,3
HLW	6	72,5	65,7	77,9	72,5	66,6	76,9	72,7	65,7	77,0	72,5	65,9	78,4	72,7	66,0	77,9	72,3	65,7	77,7	72,1	65,7	77,4
TKW	6	42,8	38,1	47,2	42,7	37,3	46,8	42,8	38,3	46,2	42,6	37,7	47,6	42,5	37,6	47,5	42,6	37,4	47,1	42,7	37,5	47,3
GERMIN	3	93,0	90,5	96,3	91,9	88,0	95,8	93,1	89,3	96,8	93,4	90,3	97,8	94,9	91,8	96,8	94,1	92,0	96,8	93,7	90,0	97,3

Table 3.4-7: Yield parameters TTLWI (winter triticale) and winter rye (SECCW)

TTLWI																												
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha			Mustang 306 SE +Aprilia 12 OD 0,6l/ha+0,45L/HA			Mustang 306 SE +Aprilia 12 OD 1,2l/ha+0,9l/ha		
Rating type	n	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
MOICON	10	13,5	11,9	15,1	14,9	14,6	15,2	14,3	14,1	14,5	12,9	12,2	14,3	12,8	11,7	14,3	13,1	11,7	14,3	13,1	11,6	14,4	14,9	14,3	15,4	14,5	14,4	14,5
HLW	10	70,6	66,3	77,7	67,6	66,8	68,2	67,2	65,9	68,6	71,9	67,1	77,7	72,0	67,1	78,2	73,7	71,1	78,4	73,7	71,4	77,8	70,8	66,4	78,4	69,4	64,6	77,8
TKW	10	38,8	30,9	44,0	34,6	33,9	35,0	34,4	33,8	34,7	40,8	31,9	44,0	40,9	31,6	44,3	40,2	31,5	44,5	39,9	31,8	43,3	37,0	34,7	41,4	37,0	34,6	41,2
GERMIN	7	83,1	42,1	93,5	88,8	88,8	88,8	89,0	89,0	89,0	82,3	42,1	95,3	81,8	42,1	93,8	89,9	85,3	93,8	90,1	86,8	93,5	93,8	93,8	93,8	93,5	93,5	93,5
SECCW																												
Treatment		UNCK			ADM.06001.H.2.B +Camaro 306 SE 0,5l/ha+0,5l/ha			ADM.06001.H.2.B +Camaro 306 SE 1,0l/ha+1,0l/ha			ADM.06001.H.2.B +Insert 1,0l/ha+0,2l/ha			ADM.06001.H.2.B +Insert 2,0l/ha+0,4l/ha			Axial 50 EC 1,2l/ha			Axial 50 EC 2,4l/ha			Mustang 306 SE +Aprilia 12 OD 0,6l/ha+0,45L/HA			Mustang 306 SE +Aprilia 12 OD 1,2l/ha+0,9l/ha		
Rating type	n	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max
MOICON	11	13,2	11,8	15,3	13,8	12,1	15,0	14,2	12,7	15,3	12,9	11,8	14,1	12,9	12,2	14,0	12,8	11,6	14,4	12,8	11,8	14,2	14,2	12,9	15,5	13,9	12,0	15,2
HLW	11	68,6	62,8	77,4	66,7	62,6	74,4	67,1	63,4	73,1	69,3	66,5	77,4	69,4	67,0	77,4	70,2	67,0	77,4	70,4	67,3	77,4	67,3	63,9	73,9	66,9	64,1	73,7
TKW	11	32,4	24,6	40,1	36,6	34,3	40,1	36,3	34,4	39,4	30,1	25,1	34,3	29,9	24,1	33,6	32,2	28,9	34,0	32,0	28,0	33,9	36,7	34,5	39,9	36,6	34,6	39,0
GERMIN	8	92,5	86,5	98,7	88,0	88,0	88,0	87,5	87,5	87,5	93,4	86,3	98,9	93,3	85,3	98,8	91,4	88,0	95,5	91,3	87,0	94,5	88,8	88,8	88,8	87,0	87,0	87,0

Comments of zRMS on:
Effect on the quality of plants or plant products (3.4.3)

Based on the submitted trial results it can be concluded that ADM.06001.H.2.B applied in tank mixture with adjuvant Insert or with the herbicide Camaro 306 SE, at recommended dose rates, does not affect negatively on the yield quality parameters of the target crops.

3.4.4 Effects on transformation processes (KCP 6.4.4)

Please refer to core dossier

Comments of zRMS on:
Effect on transformation processes (3.4.4)

Not applicable.

3.4.5 Impact on treated plants or plant products to be used for propagation (KCP 6.4.5)

Please refer to core dossier

Comments of zRMS on:
Impact on treated plants or plant products to be used for propagation (3.4.5)

Based on the trial results presented in the chapter 3.4.3 Effect on the quality of plants or plant products (see tables 3.4-6 – 3.4-7), it can be concluded that ADM.06001.H.2.B applied in tank mixture with adjuvant Insert or with the herbicide Camaro 306 SE, at recommended dose rates, does not affect negatively on seed germination of winter wheat, winter rye and winter triticale.

Summary and conclusion

Total of 27 selectivity trials have been carried out between 2018 and 2021, in NE EPPO zone (Poland), specifically to determinate crop safety and possibility of adverse impact on quality and quantity of yield, after application of ADM.06001.H.2.B in tank mix with adjuvant Insert and herbicide Camaro 306 SE. Tested mixtures were applied at target dose rate: 1N and double dose rate: 2N in winter wheat (TRZAW) 6; winter triticale (TTLWI) – 10 and in winter rye (SECCW) – 11.

All crop selectivity trials were carried out by organisations that are officially recognised as competent to carry out efficacy testing in accordance with Regulation (EU) 284/2013.

Crops were harvested at normal commercial conditions, following a single application of tested tank mixtures: ADM.06001.H.2.B + Insert at the proposed label rate: 1,0 l/ha + 0,2 l/ha and at twice this rate 2,0 l/ha + 0,4 l/ha.

ADM.06001.H.2.B + Camaro 306 SE at the proposed label rate: 0,5 l/ha + 0,5l/ha and double rate: 1,0 l/ha+1,0 l/ha .

Tested tank mixture ADM.06001.H.2.B + Insert applied at the maximum proposed label rate (1,0 l/ha + 0,2 l/ha) in winter rye (SECCW), in 3 out of 11 selectivity trials, caused transient phytotoxic effects like leaf chlorosis or stunting during 1-3 assessments.

Tested tank mixture ADM.06001.H.2.B + Insert applied at 2N dose rate (2,0 l/ha + 0,4 l/ha) in winter rye (SECCW) in 3 out of 11 selectivity trials cause slight phytotoxic effects like leaf chlorosis at first 2 assessments (1 trial) and slight till moderate stunting effect observed at 3 assessments (2 trials).

No phytotoxicity or other adverse effects cause by tank mixture ADM.06001.H.2.B + Insert, applied at 1N and 2N dose rate, on the other tested crops: winter wheat (TRZAW) and winter triticale (TTLWI) were observed.

No phytotoxicity of tank mixture ADM.06001.H.2.B + Camaro 306 SE , applied at target dose rate: 0,5 l/ha +0,5 l/ha and double (2N) dose rate: 1,0 l/ha + 1,0l/ha , were observed in any of efficacy and selectivity trials, at any of assessment intervals.

Based on the absence of consistent or pronounced reductions in yield parameters, it is reasonable to conclude that a single application of tank mixtures ADM.06001.H.2.B with, both adjuvant Insert and product Camaro 306 SE at the maximum proposed label rates ,applied according to label recommendations, has no adverse impact on the quality and quantity of yield in tested crops.

**General comments of zRMS on:
Adverse effects on treated crops (3.4)**

The herbicide ADM.06001.H.2.B applied with the adjuvant Insert or with the herbicide Camaro 306 SE at recommended dose rates can be safely used in winter wheat, winter rye and winter triticale without risk of consistent crop damages and without risk of adverse effects on the quality and quantity of the crop yield and on seed germination.

3.5 Observations on other undesirable or unintended side-effects (KCP 6.5)

3.5.1 Impact on succeeding crops (KCP 6.5.1)

Please refer to core dossier

3.5.2 Impact on other plants including adjacent crops (KCP 6.5.2)

Tank cleaning

Please refer to core dossier

**Comments of zRMS on:
Observations on other undesirable or unintended side-effects (3.5)**

Not applicable.

3.5.3 Effects on beneficial and other non-target organisms (KCP 6.5.3)

Please refer to core dossier

**Comments of zRMS on:
Effects on beneficial and other non-target organisms (3.5.3)**

Adverse effects on non-target organisms were not observed in a part of efficacy and selectivity trials. In other trials no observations on beneficial or non-target organisms have been reported. Detailed studies are contained in Part B, Section 9 (Ecotoxicology) of core dossier.

3.6 Other/special studies

No other studies are available.

3.7 List of test facilities including the corresponding certificate.

Table 3.7-1: List of test facilities

Test facility	Address	Certificate (Yes or No)
AGRECO Sp z o.o.	al. Lipowa 21, lok. 1, 53-124 Wrocław, Oddział: Gać 64A, 55-200 Oława, Poland	Y
Agro Research Consulting (ARC)	ul. Nadburzańska 32, 99-400 Łowicz, Poland	Y
Fertico Sp z o.o.	Goliany 43, 05-620 Błędów, Poland	Y
Staphyt Sp z o.o.	ul. Ziębicka 2, 60-164 Poznań, Poland	Y
Poznań University of Life Sciences	ul. Wojska Polskiego 28, 60-637 Poznań, Poland	Y

Appendix 1 Lists of data considered in support of the evaluation

List of data submitted by the applicant and relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 6	Łukasz Sobiech	2020	Ocena skuteczności ADM.06001.H.2.B w zwalczaniu ALOMY (wyczyńca polnego) i chwastów dwuliściennych w uprawie zbóż Polska, wiosna 2020 Efficacy evaluation of ADM.06001.H.2.B on ALOMY (blackgrass) and broad-leaved weeds in cereals Poland, spring 2020 Report no: PL20HETRZAW007A Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL20HETRZAW007A	N	ADAMA
KCP 6	Adam Szemenerada Szemendera	2020	Skuteczność preparatu AG-PM1-72 OD ADM.06001.H.2.B w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Efficacy of AG-PM1-72 OD (ADM.06001.H.2.B) in control of weeds in winter wheat, Poland 2020 Report no. PL20HETRZAW007B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW007B	N	ADAMA
KCP 6	Agnieszka Kukuła	2020	Ocena skuteczności preparatu ADM.06001.H.2.B (AG-PM1-72 OD) w zwalczaniu chwastów w uprawie pszenicy ozimej (The evaluation of efficacy of product ADM.06001.H.2.B (AG-PM1-72 OD) for the control of weeds winter wheat) “Efficacy evaluation of ADM.06001.H.2.B on ALOMY (blackgrass) and broad-leaved weeds in cereals Poland, spring 2020” Report no. PL20HETRZAW007C Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW007C	N	ADAMA
KCP 6	Agnieszka Kukuła	2020	Ocena skuteczności preparatu ADM.06001.H.2.B (AG-PM1-72 OD) w zwalczaniu chwastów w uprawie pszenicy ozimej	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Efficacy evaluation of ADM.06001.H.2.B on ALOMY (blackgrass) and broad-leaved weeds In cereals Poland, spring 2020 Report no. PL20HETRZAW007D Agrego Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW007D		
KCP 6	Łukasz Sobiech	2020	Ocena skuteczności preparatu ADM.06001.H.2.B (AG-PM1-72 OD) w zwalczaniu chwastów w uprawie pszenicy ozimej Efficacy evaluation of ADM.06001.H.2.B on ALOMY (blackgrass) and broad-leaved weeds In cereals Poland, spring 2020” Report no. PL20HETRZAW008A Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL20HETRZAW008A	N	ADAMA
KCP 6	Adam Szemendera	2020	Skuteczność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Efficacy of AG-PM1-72 OD (ADM.06001.H.2.B) in control of weeds in winter wheat, Poland 2020 Report no. PL20HETRZAW008B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW008B	N	ADAMA
KCP 6	Adam Pawlak	2020	Skuteczność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Efficacy of AG-PM1-72 OD (ADM.06001.H.2.B) in control of weeds in winter wheat, Poland 2020 Report no. PL20HETRZAW008C STAPHYT Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW008C	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 6	Łukasz Sobiech	2020	Ocena skuteczności ADM.06001.H.2.B w zwalczaniu AVESS (owsa głuchego) i chwastów dwuliściennych w uprawie zbóż Polska wiosna 2020 - Efficacy evaluation of ADM.06001.H.2.B on AVESS (wild oats) and broad- leaved weeds in cereals Poland spring 2020 Report no. PL20HETRZAW009A Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL20HETRZAW009A	N	ADAMA
KCP 6	Adam Szemendera	2020	Skuteczność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Efficacy of AG-PM1-72 OD (ADM.06001.H.2.B) in control of weeds in winter wheat, Poland 2020 Report no. PL20HETRZAW009B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW009B	N	ADAMA
KCP 6	Adam Pawlak	2020	Efficacy evaluation of ADM.06001.H.2.B on AVESS (wild oats) and broad-leaved weeds in cereals Poland spring 2020 Report no. PL20HETRZAW009C STAPHYT Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW009C	N	ADAMA
KCP 6	Adam Pawlak	2020	Efficacy evaluation of ADM.06001.H.2.B on POAAN and broad-leaved weeds in cereals Poland, spring 2020 Report no. PL20HETRZAW010A STAPHYT Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW010A	N	ADAMA
KCP 6	Łukasz Sobiech	2020	Ocena skuteczności ADM.06001.H.2.B w zwalczaniu chwastów POAAN, POATR i dwuliściennych w uprawie zbóż Polska, 2020	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Efficacy evaluation of ADM.06001.H.2.B on POAAN, POATR and broad - leaved weeds in cereals Poland, spring 2020 Report no. PL20HETRZAW010B Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL20HETRZAW010B		
KCP 6	Agnieszka Kukuła	2020	Ocena skuteczności preparatu ADM.06001.H.2.B (AG-PM1-72 OD) w zwalczaniu chwastów w uprawie pszenicy ozimej Efficacy evaluation of ADM.06001.H.2.B on POAAN, POATR and broad-leaved weeds in cereals Poland, spring 2020 Report no. PL20HETRZAW010C Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW010C	N	ADAMA
KCP 6	Adam Szemendera	2020	Skuteczność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Efficacy of AG-PM1-72 OD (ADM.06001.H.2.B) in control of weeds in winter wheat, Poland 2020 Report no. PL20HETRZAW010D Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HETRZAW010D	N	ADAMA
KCP 6	Agnieszka Kukuła	2018	Ocena skuteczności preparatu AG-PM1-72 OD w zwalczaniu chwastów w uprawie pszenicy ozimej The evaluation of efficacy of product AG-PM1-72 OD for the control of weeds on winter wheat Report no. PL18HETRZAW011A Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HETRZAW011A	N	ADAMA
KCP 6	Łukasz Sobiech	2018	Badanie skuteczności preparatu AG-PM1-72OD wraz z adiuwantami w zwalczaniu chwastów w	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			uprawie pszenicy ozimej Efficacy of AG-PM1-72OD with adjuvants in the control of weeds in the cultivation of winter wheat Report no. PL18HETRZAW011B Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL18HETRZAW011B		
KCP 6	Łukasz Sobiech	2018	Badanie skuteczności preparatu AG-PM1-72OD wraz z adiuwantami w zwalczaniu chwastów w uprawie pszenicy ozimej Efficacy of AG-PM1-72OD with adjuvants in the control of weeds in the cultivation of winter wheat Report no. PL18HETRZAW011C Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL18HETRZAW011C	N	ADAMA
KCP 6	Justyna Trajdos Dr Agnieszka Kukuła	2021	Evaluation of efficacy and selectivity of ADM.06001.H.2.B + BLW herbicides on ALOMY and broad-leaved weeds in winter wheat Poland, spring 2021 Report no. PL21HETRZAW035A Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL21HETRZAW035A	N	ADAMA
KCP 6	Justyna Trajdos Dr Agnieszka Kukuła	2021	Evaluation of efficacy and selectivity of ADM.06001.H.2.B + BLW herbicides on APESV and broad-leaved weeds in winter wheat Poland, spring 2021 Report no. PL21HETRZAW037A Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL21HETRZAW037A	N	ADAMA
KCP 6	Łukasz Sobiech	2021	Evaluation of efficacy and selectivity of ADM.06001.H.2.B + BLW herbicides on APESV and broad-leaved weeds in winter wheat Poland, spring 2021 Report no. PL21HETRZAW037B	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Poznań University of Life Sciences, Poland GEP Not Published <i>Trial sponsor code: PL21HETRZAW037B</i>		
KCP 6	Adam Pawlak	2020	Efficacy evaluation of ADM.06001.H.2.B on APESV and broad-leaved weeds in cereals POLAND, spring 2020. Report no: PL20HETRZAW008D Staphyt, Poland GEP Not Published	N	ADAMA
KCP 6	Adam Pawlak	2020	Efficacy evaluation of ADM.06001.H.2.B on AVESS (wild oats) and broad-leaved weeds in cereals POLAND, spring 2020. Report no: PL20HETRZAW009D Staphyt, Poland GEP Not Published	N	ADAMA
KCP 6.4	Adam Szemendera	2020	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in winter wheat, Poland 2020 Report no. PL20HSTRZAW011A Fertico Sp. z o.o., Poland GEP Not Published <i>Trial sponsor code: PL20HSTRZAW011A</i>	N	ADAMA
KCP 6.4	Adam Szemendera	2020	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenicy ozimej, Polska 2020 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in winter wheat, Poland 2020 Report no. PL20HSTRZAW011B Fertico Sp. z o.o., Poland GEP Not Published <i>Trial sponsor code: PL20HSTRZAW011B</i>	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 6.4	Dariusz Gajek	2020	An evaluation of the selectivity of ADM.06001.H.2.B on winter wheat Poland, spring 2020 Report no. PL20HSTRZAW011C Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL20HSTRZAW011C	N	ADAMA
KCP 6.4	Łukasz Sobiech	2020	Ocena selektywności ADM.06001.H.2.B w uprawie pszenicy ozimej Polska, wiosna 2020 An evaluation of the selectivity of ADM.06001.H.2.B on winter wheat Poland, spring 2020 Report no. PL20HSTRZAW011D Poznań University of Life Sciences, Poland GEP Not Published Trial sponsor code: PL20HSTRZAW011D	N	ADAMA
KCP 6.4	Agnieszka Kukuła	2020	Ocena selektywności preparatu ADM.06001.H.2.B (AG-PM1-72 OD) w uprawie żyta ozimego An evaluation of the selectivity of ADM.06001.H.2.B (AG-PM1-72 OD) on rye POLAND, spring 2020. Report no. PL20HSSECSS013A Agreco Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HSSECSS013A	N	ADAMA
KCP 6.4	Adam Pawlak	2020	An evaluation of the selectivity of ADM.06001.H.2.B on rye POLAND, spring 2020 Report no. PL20HSSECSS013B STAPHYT Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HSSECSS013B	N	ADAMA
KCP 6.4	Adam Pawlak	2020	An evaluation of the selectivity of ADM.06001.H.2.B on rye POLAND, spring 2020 Report no. PL20HSSECSS013C STAPHYT Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HSSECSS013C	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
KCP 6.4	Dariusz Gajek	2020	An evaluation of the selectivity of ADM.06001.H.2.B on winter triticale POLAND, spring 2020 Report no. PL20HSTTLSS014A Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL20HSTTLSS014A	N	ADAMA
KCP 6.4	Adam Szemendera	2020	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenżyta, Polska 2020 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in winter triticale, Poland 2020 Report no. PL20HSTTLSS014B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HSTTLSS014B	N	ADAMA
KCP 6.4	Adam Szemendera	2020	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenżyta, Polska 2020 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in triticale, Poland 2020 Report no. PL20HSTTLSS014C Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL20HSTTLSS014C	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD w zwalczaniu chwastów w uprawie żyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD in control of weeds in winter rye, Poland 2018 Report no. PL18HSSECSS019A Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSSECSS019A	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD w zwalczaniu chwastów w uprawie żyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD in control of weeds in winter rye, Poland 2018	N	ADAMA

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			Report no. PL18HSSECSS019B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSSECSS019B		
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD w zwalczaniu chwastów w uprawie żyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD in control of weeds in winter rye, Poland 2018 Report no. PL18HSSECSS019C Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSSECSS019C	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD w zwalczaniu chwastów w uprawie żyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD in control of weeds in winter rye, Poland 2018 Report no. PL18HSSECSS019D Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSSECSS019D	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie pszenicy ozimej, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter wheat, Poland 2018 Report no. PL18HSTRZAW016A Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSTRZAW016A	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie pszenicy ozimej, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter wheat, Poland 2018 Report no. PL18HSTRZAW016B Fertico Sp. z o.o., Poland	N	ADAMA

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			GEP Not Published Trial sponsor code: PL18HSTRZAW016B		
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie uprawie pszenżyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter triticale, Poland 2018 Report no. PL18HSTTLSS018A Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSTTLSS018A	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie uprawie pszenżyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter triticale, Poland 2018 Report no. PL18HSTTLSS018B Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSTTLSS018B	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie uprawie pszenżyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter triticale, Poland 2018 Report no. PL18HSTTLSS018C Fertico Sp. z o.o., Poland GEP Not Published Trial sponsor code: PL18HSTTLSS018C	N	ADAMA
KCP 6.4	Krzysztof Rusek	2018	Selektywność preparatu AG-PM1-72 OD stosowanego w terminie zwalczania chwastów w uprawie uprawie pszenżyta ozimego, Polska 2018 Selectivity of AG-PM1-72 OD applied in control of weeds in winter triticale, Poland 2018 Report no. PL18HSTTLSS018D Fertico Sp. z o.o., Poland GEP Not Published	N	ADAMA

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Owner
			Trial sponsor code: PL18HSTTLSS018D		
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenżyta, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in triticale, Poland 2021 Report no. PL21HSTTLSS075A Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSTTLSS075A	N	ADAMA
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenżyta, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in triticale, Poland 2021 Report no. PL21HSTTLSS075B Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSTTLSS075B	N	ADAMA
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie pszenżyta, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in triticale, Poland 2021 Report no. PL21HSTTLSS075C Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSTTLSS075C	N	ADAMA
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie żyte, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in rye, Poland 2021 Report no. PL21HSSECSS073A Agro Research Consulting, Poland	N	ADAMA

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			GEP Not Published Trial sponsor code: PL21HSSECSS073A		
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie żyte, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in rye, Poland 2021 Report no. PL21HSSECSS073B Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSSECSS073B	N	ADAMA
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie żyte, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in rye, Poland 2021 Report no. PL21HSSECSS073C Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSSECSS073C	N	ADAMA
KCP 6.4	Dariusz Gajek	2021	Selektywność preparatu AG-PM1-72 OD (ADM.06001.H.2.B) stosowanego w zwalczaniu chwastów w uprawie żyte, Polska 2021 Selectivity of AG-PM1-72 OD (ADM.06001.H.2.B) applied in control of weeds in rye, Poland 2021 Report no. PL21HSSECSS073D Agro Research Consulting, Poland GEP Not Published Trial sponsor code: PL21HSSECSS073D	N	ADAMA