



Quarterly Newsletter of

PDKV *News*

Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola-444104 (M.S.)

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April to June, 2019

From the Vice-Chancellor's Desk. . .



Dr. PDKV has its jurisdiction spread over 11 districts of Vidarbha characterized mainly by rainfed agriculture. The major crops grown in the region are cotton, soybean, pigeonpea, sorghum, paddy in *kharif* and wheat, chickpea, safflower in *rabi*. It has been experienced that almost every new year brings different challenges for the farmers and inspite of all odds, our Vidarbha farmers are battling their way out to harvest better yields. We hope this year will be no different and with the expectation of timely monsoon this year, all are very well prepared for the ensuing *kharif* season.

The University has given 44 technologies recommendations which approve in joint agrosco held at Mahatma Phule Krishi Vidyapeeth, Rahuri during 28th to 30th May 2019 and released 4 varieties of different crops for the benefit of farmers. 10 machineries and 32 recommendations are approved on different agricultural subjects. In varieties cotton Suvarn Shubhra (AKH-09-5), in Mohari TAM 108-1, PDKV Redrice -1 (SKLRR-1) and cowpea AKCP-8-2-2 are approved.

We have to make sure that the succeeding *kharif* season will be managed properly to achieve better productivity through protecting the crops from the glitches faced during last couple of years. We are aware that the cotton growers of Vidarbha were in trouble last

year due to pink bollworm menace. For the management of this pest, a special policy have been formulated by the State Government with the recommendations from State Agricultural Universities of Maharashtra which included awareness campaign, avoiding pre-monsoon sowing so as to check the suicidal population of pink bollworm which will definitely help to reduce the PBW incidence. In spite of all this, the farmers will have to take care by adopting measures like frequent monitoring of the pest through use of pheromone traps, spraying NSE, use of *Trichocards* and spraying chemicals at ETL etc.

Soybean is the second most important crop in western and central Vidarbha where in germination of seeds is the major issue besides regular incidence of rootrot, yellow vein mosaic and stemfly during last few years. It is recommended that the farmers should follow a simple germination test before sowing which recommend and demonstrate time to time.

Paddy is the major crop in Eastern Vidarbha region which is cultivated in both rainfed and irrigated conditions. Amongst recent problems faced, brown plant hopper (BPH) has created menace among paddy growers recording moderate to heavy incidence last year. For the management of BPH, adoption of integrated pest management (IPM) is the best solution which includes use of tolerant varieties like PKV Ganesh, Sindewahi 2001. The Dr. PDKV is working continuously for the benefit of farmers and accordingly, we are conducting programmes like *kharif krushi melawa* and *shivar pheri* every year demonstrating University technologies in our effort of sustaining the farming system. To say the least, University doors are always open for the farmers for their queries and for perceptive different technologies. Lastly, I hope we will be able to harvest better yields this year by following timely crop management practices in the ensuing *kharif* season.

Dr. Vilas M. Bhale
Vice Chancellor

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Launcing (Release) of cotton Hybrid PKV Hy- 2 (BG- II)



The launching of cotton hybrid PKV Hy-2 BG-II, which was developed in collaboration with MSSC Ltd, Akola was done at the hands of Hon'ble Vice-Chancellor, Dr. V.M. Bhale on dated June, 24th, 2019. On this occasion Managing Director, MSSC Ltd. Akola, Shri Anil Bhandari, was present as Chief Guest. Among the other dignitaries, Director of Research, Dr. V.K. Kharche, Director of Extension Education, Dr. D.M. Mankar, were also present for the programme. Shri. Suresh Phundkar, GM (Production), Shri. Prafull Lahane, GM (Q.C. & Research), Shri. Prakash Tathar, GM (Marketing) from MSSC Ltd. Akola, was present on this occasion. All the Deans, Associate Deans, Senior Research Scientists, all the Head of the Departments, District Managers of MSSC Ltd., Akola and other staff of Dr. PDKV, Akola also attended the programme.

In presidential address, Hon'ble Vice-Chancellor, Dr. Vilas Bhale, informed that this BG-II hybrid will be very popular among farmers as it is tolerant to sucking pests and bollworms. He also congratulated MSSC Ltd. Akola for taking the initiative in converting PKV Hy-2 in BG II version. Shri. Anil Bhandari, Managing Director, MSSC Ltd., in his speech informed the audience about the seed availability of this hybrid. He also requested to initiate BG-II hybrid development programme as a collaborative work between two institutes.

Director of Research, Dr. V.K. Kharche in his introductory remark informed that PKV Hy-2 was very popular among the farmers during 1980 to 1990 as it was tolerant to sucking pests and having high yielding ability, but with the introduction of Bt cotton hybrids from the year 2002 onwards, the demand of this non- Bt PKV Hy-2 was reduced. Now, Dr. PDKV, Akola & MSSCL has produced the hybrid having same characteristics with the additional benefits of BG-II gene.

Farmers from Ghusar, Punooti, Shanglud, Maisang, Adoshi and Kadoshi villages were also present for the programme. On this occasion farmers, Shri. Yash sunil Pagrut, Govardhan Gopal Kakade, Shaik Khurshid purchased the seed of PKV Hy-2 BG-II.

The programme was conducted by Dr. Amrapali Akhare and vote of thanks was made by Shri. Dahake, MSSC Ltd. Akola. Dr. R.N. Katkar, Dr. S. Sadavarte, Dr. D.T. Deshmukh, Dr. S.B. Deshmukh, Dr. P.W. Nemade, Dr. V.V. Desmukh, Shri. O.S. Rakhande, Mrs. Godavari Gaikawad and Shri. R.T. Bhorate have taken the efforts to make programme successful.

Workshop on use of pesticides



Need for prudent use of insecticides and pesticides to increase agriculture output and restrict ill effects of their use was expressed at a natural workshop held at Dr.PDKV, Akola on dated 15th May, 2019. The workshop emphasized on the deep study for effects of insecticides on land and crops.

The workshop was jointly organized by Dr.PDKV and South Asia Biotechnology Center, New Delhi, on topic of "Pesticides registration and regulations in India, product safety, sustainability and end user guidance"

Hon'ble Vice Chancellor Dr. V. M. Bhale presided over the workshop. Former President of Agriculture Scientists Selection Board Dr. C. D. Mayee, former director ICAR Dr. P. K. Chakravarti, Dr. Debvrat Kanungo, Director South Asia Biotechnology Centre Dr. Bhagirath Chaudhary, Joint Director Agriculture, Amravati Davison Subhash Nagare, Director Research Dr. Vilas Kharche Prof. Ganesh Nanote, Shri. Vijay Ingle, Mohan Sonawane, Dinkar Aale and students attended the session long workshop.

In first session on Pesticides Registration and Regulations in India, Dr. Chakravarti presented general study on use of pesticides in India Dr. P. S. Candurkar guided on process of registration of pesticides in India

Dr. Kanungo spoke on topic of risk of pesticides on human health. The other speakers at the workshop informed the participants about safe use of pesticides and limitations of their use. The workshop ended with vote of thanks by Dr. Rajendra Katkar.

Pre monsoon Kharip Melawa

As per forecast, the district will receive good rains this monsoon. Hence, the farmers should plan well to get good yield in kharif season, asserted Dr.V.M. Bhale, Vice Chancellor, while addressing the premonsoon kharip *melawa* of farmers. At University Headquarter, Director Research, Dr. V. K. Kharche, Dean, Agriculture Engineering, Dr. M. B. Nagdeve, Dean Horticulture Dr. P. K. Nagare and Progressive Farmer Shri. Aappa Gunjkar and Shri. Vijay Ingle were present on the occasion.

Addressing the farmers Dr. V. M. Bhale said the university has adopted new research methods by experimenting on fields of the farmers, The technology developed by the university will certainly help farmers to do sustainable farming Chief Extension Education Officer Dr. N. M. Kale give the introductory speech.



The University scientist was given the deliberation on the important issues regarding the kharip season crops. After the deliberation was over, the face to face interaction was arranged between the farmers and scientist. During this the farmers was raised the different queries and scientist was given the appropriate answer for that. The good quality seed of different field crop was made available to the farmers at this juncture. About 600-650 farmers of eleven district of Vidarbha region and scientists of this University were present on this important occasion.

Extension Education Council Meeting



27th Extension Education Council meeting was organized by Directorate of Extension Education on 16th May 2019 at Shetkari Sadan and meeting was chaired by Hon'ble Vice- chancellor Dr. V. M. Bhale, Associate Director of Research Dr. R. N. Katkar, progressive farmers member of EEC Shri. Vasudevrao Jayale were present. During the first session of the meeting, the action taken report of the last EEC, significant achievement of different extension activities conducted in the 2018-19 was presented in the house by Chief Extension Education Officer Dr. N. M. Kale. All these activities conducted by the Directorate was appreciated by the house.

MoU With UPL



Dr. PDKV and UPL, Mumbai has signed the MoU on 4th June, 2019 for demonstration of controlled cotton pink bollworm and maize army worm. On this occasion Hon'ble Vice Chancellor Dr. V. M. Bhale, Dr. PDKV, Akola was presided over the programme and MoU was signed by Mr. Sagar Kaushik, CEO, and Dr. Ajitkumar, Global Head from United Phosphorus Limited, Director of Extension Education, Dr. D. M. Mankar, Director of Research Dr. V. K. Kharche, were present. Mr. Pratap Rankhamb, Zonal Business Head, Mr. Sunil Lahane, Zonal Manager and other team members of UPL were also present on this occasion.

Mr. Sagar Kaushik has given information about the future plan to be undertaken and Mr. Rankhamb has presented the working pattern. Dr. Bhale expressed satisfaction about MoU and appealed to expand the area of operation in all districts of Vidharbha region.

Dr. K. U. Bidwe, PRO conducted the programme and proposed vote of thanks.

MoU Signed with Prakash Agroplast



The University has signed MoU with Prakash Agroplast Malegaon, Nashik. The MoU signed on dated 21 June 2019. The technology useful in drought condition for orchards and social forestry for survival.

Hon'ble, Vice Chancellor Dr. V. M. Bhale presided the function, on this occasion Prakash Agroplast's Shri Nitesh Ostwal, Dr. S. R. Kalbande Shri. Raj Poyam, Comptroller Shri. R. R. Katare, Shri. Dhiraj Karale and Kuldip Jadhav were present.

MoU Signed With Private Manufacturer



The University has signed MoU with private manufactures for post harvest engineering technology and machinery manufacture. The MoU signed on dated 24 June 2019.

Hon'ble, Vice Chancellor Dr. V. M. Bhale presided the function, on this occasion Director Research Dr. V. K. Kharche, Director Extension Education, Dr. D. M. Mankar, Dean Agril. Engg. Dr. M. B. Nagdeve, Registrar, Dr. S. K. Aherkar, Comptroller Shri. R. R. Katare and manufactures M/s Dhananjay Agro Fixsan Engineering, M/s. Virba Agro, M/s Punam Engineering Works, Akola Projekcel Industrial Solution Pvt. Ltd., Aurangabad etc. and representative of the company were present on this occasion.

NCC, NSS Guidance Programme



Guidance programme was organised for agriculture students of Dr. PDKV, Akola for future job opportunities. They were guided on preparation, importance of agriculture education, opportunities for the NCC, NSS and students of sports field on dated 3 April 2019 at college of Horticulture, Akola.

Associate Dean Dr. Prakash Nagare, presided over while Lieutenant of NCC Dr. Darasing Rathod, NSS officer, Dr. Ravish Raut, Dr. Abhay Wagh, Professor

Dr. Arvind Sonkamble and scientist expressed their views and guided students in the workshop held at Horticulture college.

Under the guidance of Hon'ble Vice Chancellor Dr. Vilas Bhale, work is being implemented for larger participation of students in such programmes from first session.

An elaborate guidance was given on the directives, continuity, and facility. Time management and meticulous planning of careers in other fields should be thought over for achieving success, asserted Dr. Nagare.

Smruti Din observed at Dr. PDKV



The 54th death anniversary of Dr. Panjabrao Deshmukh was observed as Smruti Din at Dr. PDKV on 10th April, 2019. Honorable Vice Chancellor, Dr. V.M. Bhale, presided over the programme while Shri. Anirudha Patil, Maharashtra Relief Programme Coordinator was the chief guest.

Honorable Vice Chancellor, Dr. V.M. Bhale, in his presidential address enlightened the great work of Dr. Panjabrao Deshmukh. He appealed new generation to maintain the model values of Dr. Bhausaheb and take inspiration for betterment of the society. Director of Extension Education, Dr. D.M. Mankar, Dean Faculty (Agril. Engg.) Dr. M.B. Nagdeve, Dean, Horticulture Dr. P.K. Nagre and Registrar Dr. P.R. Kadu were present on the dias.

Shri. Anirudha Patil in his speech emphasized the views and deeds of Bhausaheb in respect of agriculture and expected for the great success in agriculture in this holy land.

Dr. Babasaheb Ambedkar Birth Anniversary

Birth anniversary of Bharat Ratna Dr. B.R. Ambedkar was celebrated on 14th April, 2019 at Dr. PDKV, Akola. Honorable Vice Chancellor Dr. V.M. Bhale of the University has narrated about the educational, constitutional, social and political devotion of Dr. Babasaheb Ambedkar, in his presidential address. Chief Guest of the function Adv. Ganesh Halkare,



Amravati has strongly emphasized the need to establish a social system that will benefit every strata of the society equally. Prof. Sanjay Kokate, Student Welfare Department, Dr.PDKV, Akola has conducted the programme.

Honored with The Best Volunteer Award



Ku. Sheweta Sathawane a student of College of Agriculture, Akola was honored with the Best Volunteer Award at the Aawhan 2019 camp held at Swami Ramanand Teerth Marathwada University, Nanded. Total 1200 volunteers from Agriculture and Non-Agriculture Universities across the state took part in it. Shewata Sathawane was one of the 12 member team which participated from Dr. Panjabrao Deshmukh Krishi Vidyapeeth. These volunteers were from Agriculture college, Akola, Biotechnology college, Yevatmal and college of Horticulture, Akola. The camp aimed at developing rescue operations skills among the youth volunteers. At the end of ten day camp Ku. Shweta Sathawane was honored with the Best Volunteer (Girl) award at the hands of Hon'ble Vice Chancellor Dr. Uddhav Bhosle, of Swami Ramanand Teerth Marathwada University, Nanded .

Hon'ble Vice Chancellor Dr. Vilas Bhale, Dean Agriculture Dr. Vilas Kharche and faculty members of Agriculture congratulated the team and Shewata Sathawane for her success.

Success Story :Bt Cotton Pink Bollworm Management campaign in Vidarbha, 2018



The cognizable infestation of pink bollworm was started in 2014-15 in Gujrat and became severe during 2015-16. Considering the possibility of same in Maharashtra particularly in Vidarbha region, University Department of Entomology, Dr. PDKV, Akola has started close monitoring on pink bollworm in its jurisdiction of Vidarbha region since 2015-16. The infestation of PBW has started increasing significantly during 2017-18 and accordingly University Department of Entomology has conducted awareness workshops, extension programmes jointly with State Dept. of Agril. particularly from October, 2017. At the same time, the *taluka* wise awareness trainings on safe use of pesticide were conducted on 5.10.17 in different talukas of Akola district considering the poisoning cases reported during 2017-18 from Yavatmal and Akola districts. Further, the divisional workshop for State extension officers was organized at Akola and Nagpur on 10.10.17 and 8.11.17, respectively. The university level workshop on "PBW and Pesticide hazards awareness workshop" was also organized for all State Agril extension functionaries at Akola on 25.11.2017.

It was a big challenge to tackle this menace for ensuring *Kharif* season, 2018, because there was a huge carry over population of pink bollworm likely to cause severe damage in the next season. In this connection, the university had taken the initiative and lead under the leadership of Hon'ble Vice-Chancellor, Dr. Vilas Bhale. Accordingly the roadmap and technical plan was prepared for execution by all extension functionaries in the Vidarbha to curb this PBW menace.

The pink bollworm management campaign – 2018 was started with the organization of State level PBW management campaign workshop held at Dr. PDKV, Akola on 11/03/2018 under the guidance of Hon'ble Shri. Bhausaheb Phundkar, Agriculture Minister of Maharashtra State. Proceedings were circulated to all Agriculture Authorities in the state. Pink bollworm planning meeting was also conducted by Hon'ble Chief



minister Shri. Devendraji Phadanvis, Maharashtra State at Nagpur on 22.4.2018, it was decided to tackle this menace on mission mode, hence, all the functionaries required to have collaborative efforts at war footing. Accordingly KVK's, Schools, Colleges and Entomologists from the University were involved.

Vidarbha level pink bollworm monitoring committee was set up on 16.05.2018, by involving 71 Entomologists as a member from the University, Subject matter Specialist (Plant Protection) and private colleges to monitor the situation at taluka level (2-3 taluka/ entomologist). This committee was working with Taluka Agriculture Officer (TAO), staff of Crop Pest Surveillance Project and advisory Project (CROPSAP) placed at various villages at each taluka and 1848 RAWE students from 19 Agriculture colleges from the university placed at 927 various villages to monitor the pink bollworm incidence, to create awareness and timely control measures by the farmers in Vidarbha.

The Divisional, Districts and Taluka wise workshops were organized under CROPSAP on pink bollworm during June 2018, where in the Department of Entomology has given training to State Agriculture extension functionaries regarding pink bollworm and their management strategies. In the same way the members of monitoring committee had conducted various awareness programmes in their respective talukas from time to time during the season. The review meeting of Amravati Division at Akola (03/09/2018) was organized under the chairmanship of Hon'ble Shri. Sadabhau Khot, State Agril. Minister, M.S. and Nagpur Division (27/08/2018) at Nagpur was organized at RAMETI, Nagpur and the review was taken.

Similarly to create the awareness among the cotton storage and gin mill owners, which serve as breeding places of pink bollworm, the awareness and cleaning campaign were launched on 10.7.18 at Nagpur and 23.7.19 at Akola and Amravati with the hands of additional Secretary, M.S., and Head, Department of

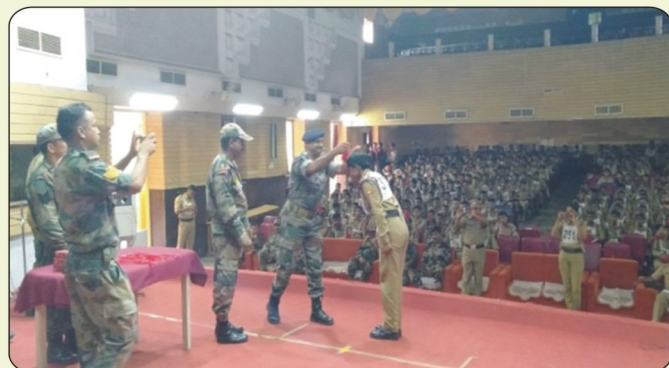
Entomology and Joint Director of Agriculture Amravati, respectively.

Timely Radio Talk, hello help line, special TV talk, pest alerts, press notes, plant protections bulletins, News letter were release by the Department of Entomology and members of PBW Monitoring PBW including mass awareness campaign results in the decrease infestation this season.

Overall, the feedback from farmers after 2018-19 season was obtained and they said that good prices for good quality seed cotton was obtained as compared to last year. In a review meeting at Collector office, Akola on 26.04.2019, gin owners also endorsed on getting 2-3 % more oil extraction with good quality lint as compared to last year.

A campaign was successful as the green boll infestation in cotton growing districts of Vidarbha was remarkably low during 2018-19 (2.12 to 25.63 %) as compared to 2017-18 (0.78 to 83.66 %) with green boll damage reduction of 16.37 to 94.26 % during the season (Annual Rep. of Pl. Prot. and Surveillance Unit, Department of Entomology, Dr. PDKV, Akola).

NCC Unit awarded



National Cadet Corps (NCC) had organized combined annual training camp (CATC) under 11 Mah NCC Bn, Akola in the campus of Dr. PDKV, Akola during 20-29th June, 2019. In this camp, a total of 400 cadets consisting of 150 Girls (SW) and 250 Boys (SD) were participated across 40 schools and colleges of Akola district.

During this 10 days camp cadets were exposed to various army related activities like drills, physical exercises, weapon handling and firing with 0.22 rifles, obstacles, map reading along with social training health & hygiene, building leadership qualities among cadets, disaster management, fire fighting etc. Various competitions were held in different fields of NCC and LCPL Miss. Pooja Gawande, a NCC cadet of Dr. PDKV NCC Unit has selected as Best Camp Cadet based on her outstanding overall performance throughout the camp,

acting as Echo company senior and she was felicitated with a Medal and Certificate and SUO Unnikrushna Kannake was acted as a Camp Senior Cadet based on his outstanding contribution in monitoring and controlling various NCC camp assignments duties and active contribution in day to day parades by the Hands of Lt. CO. Rohit Shah, Officiating Commanding Officer.

Hon'ble Vice Chancellor Dr. V. M. Bhale, Dean, college of Horticulture Dr. P.K. Nagare, DSW Dr. R.G. Deshmukh and Lt. Dr. Darasing Rathod, ANO NCC Officer has appreciated and accolade for this success in the camp.

Mango Festival-2019



MANGO festival was organized by the Krishi Vigyan Kendra, Sonapur-Gadchiroli, Dr. P.D.K.V., Akola. The Mango festival was inaugurated at the hands of Dr. A.N. Tikle, Retired Principal Scientist, Vijayaraje Sindhiya University, Sihore, Madhya Pradesh and native of Gadchiroli District by lighting traditional lamp and garlanding the image of Dr. Panjabrao Deshmukh.

Sandip Karhale, Programme Coordinator, KVK, Gadchiroli, Priti Hiradkar, Sub-Divisional Agriculture Officer, Gadchiroli Dr. Ekta Nigot, Associate Professor, College of Agriculture, Nagpur Sandeep Lanjewar of Anulom, Prathibha Choudhari and Ramesh Bhurse Progressive Farmers of Gadchiroli were prominently present at the programme. The Farmers local varieties of mangoes and other popular varieties from Maharashtra were displayed in the Mango festival. Value added and processed items made out of mango such as jam, jelly, chocolate, ice-cream, cold drinks, pickle, sweets etc. were also displayed as a part of exhibition. As many as, 12 types from the district of Gadchiroli and 17 varieties from other parts of the State were kept in the exhibition. The mango cultivators in the district were felicitated on the occasion with Mango plant and Krishi Sanwadini – 2019.

International Exposure



Hon'ble Vice Chancellor Dr. V. M. Bhale, P.I., NAHEP Dr. S. R. Kalbande, and Co- P.I., NAHEP Er. V. P. Khambalkar were participated in seven days training program at Tokyo, Japan under National Agricultural Higher Education Project (NAHEP), Dr. PDKV, Akola. The theme of the training program was "Japan Agricultural & Education Exchange Program" and duration of this training program was 11 June to 16 June, 2019. This training program was organized by NPO solar water green project Japan & Tuksi Consultancy Services Pvt. Ltd.

Hon'ble Vice Chancellor was interacted with the UG, PG and Ph.D students of the Tokyo University, Japan. Also he has discussed with the agro-produce marketing businessman of Indian Origin in Japan and discussed about the scope of agro-produce marketing in Japan, which provides the higher prices to the agro-produce and consequently beneficial to the farmers in Vidarbha region. Again, he was taken initiative for the finalization of MoU between Tokyo University, Japan and Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola for exchange of the knowledge in education, research and teaching. Further, Hon'ble Vice Chancellor also meets with the Ambassador Sanjay Kumar Verma at Tokyo, Japan and he assured

that, he will co-operate and taking necessary initiatives for MoU, Agro-produce marketing and other issues which are beneficial to the students as well as for the farmers.

Frontier Campaign for Maize Fall Army worm in Buldhana District



A massive awareness campaign is organized for the control of fall army worm a pest recently identified of maize crop in Buldhana district. This campaign is organized with objective to make farmers aware about the fall army worm on maize crop and to convey precautionary and control measures. Villages namely Sakhali(Kh.), Sakhali (Bu.), Kolwad, Sagwan, Takli, Madh, from Buldhana tahsils, Parda and Kothali from Motala tahsils having major area under maize crops were selected in the district and accordingly programmes were organized in the month of July 2019. Students of College of Agriculture, Akola under RAWE (Rural Agricultural Work experience) programme at Buldhana are also enthusiastically participated in this campaign and helping farmers to select precautionary measures for the control of fall army worm pest in maize crop. RAWE Students of Samarth College of Agriculture, Deulgaon Raja are also had training about fall army worm and helping farmers in their respective RAWE programme villages in the district.

Printed Matter



From :

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To,
